

RESULT 2
US 08-890-865A-1
Sequence 1, Application US/08890865A
Patent No. 6307019
GENERAL INFORMATION
APPLICANT: Conbrantini, Franklin
APPLICANT: Zeng, Li
TITLE OF INVENTION: AXIN GENE AND USES THEREOF
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York

STATE: New York
COUNTRY: US
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/08/890, 865A
FILING DATE: 10-JUL-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28, 678
REFERENCE/DOCKET NUMBER: 0575/54249
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 39-0526
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 992 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Protein
US-08-890-865A-1

Query Match 37.2%; Score 1655; DB 2; Length 992;
Best Local Similarity 42.7%; Pred. No. 1e-139;
Matches 390; Conservative 133; Mismatches 246; Indels 144; Gaps 30;

Qy 12 DPESSAFREDAAPRPVPGEGE---TPPCOPSY---GRVQSTKPMVPESSNARNEDGUG- 63
Db 140 DLGASFTEDAPRPVPGEGEVLYSTSRPVNHSPCSGKTSIKSETSTAPRSDLDIY 199
Qy 64 EPEGRASPDSPSLTRWKSNSHSLIGDQDGAYLFLEREKVDTDLDFENFACNGFRQMLK 123
Db 200 EPEGASASPTPPYRWAESLHSLLDDQDG1SLFRTPKQEGCADLDFENFACSGRKLPC 259
Qy 124 DT---KTLRVAKAIYKRYI-ENNSVSKOLKPATKTYIRDGIKKQIQGSVMPDOAQTEQ 179
Db 260 DSNEBKRLKLRALARYKTYLDNSGCVSRTQPKATPSFLKDCWVKQQLDPMFDQAQTEQ 319
Qy 180 AVNEBNAYQFLTSIDLEYVRSSEGENTAYMS -NGGJLSKVLCGYLPTLNBEETWTC- 236
Db 320 STMENNTYPSFLKSDIYLEYTRICSES PKVCSDSGSGTCKGMSGYLPTLNDEEWKCD 379
Qy 237 -----ADLKCKLSPPTVGGSKTKL-----RATASVRSSTETAENGFRSKRSPDPVNPYHV 285
Db 380 QDADBDGRDPLPS---RLTQRKLLETAPRAPSRRNTEGRRLYGSWR--EVNPYV 435
Qy 286 GSGYVAPATSANDSE--LSSDALTDMSMSPDSVDGPPYRMGSEKQLQREMHRSVK 342
Db 436 NSGYALAPATSANDSEQQSLSSPA---DTSLSLTDSSVGDGPPRI--RKQHREMMOSIQ 490
Qy 403 EKEGSEQALSSRDPGAVPHPLAIPS-----GSYBEDPQTILDHLSR 445
Db 550 EGDDGMP---SGPMASHKLPSPVAMWHPPPYDVGCGSLDADHEENPESLILDEYVQR 605
Qy 446 VLKTPGCGSPGPGYCRSPRSRSPDHHHOHHHQOCHTLISTGGSKLPPVYACPLJGG----- 500
Db 606 VNRTPGCGSPG---PGHRSRSPGSH-----VAKTAVGGTASH 640
Qy 501 -----KSPLTKQT---KRVHRYKHHAVPKTKREIBAATQYRCLCPGTDYCY 550
Db 641 GKHPVPLGLKLDTAGLHHHRVHH--VHNNSA-RPKQMEAVARRYQSSFWGPETHGH 698
Qy 551 SKCKSHPK-APEPL-PGEQFCGSRGTLPKRNAGTBEGLALSARDGMSAAAGPQLPG 608

75 PRRSIDLGLTPEPEGSASPTPYLKWAEWSLSDPDKNLFRTLKOPCADCULDFWPA 134
114 CNGPROMN--LKDKTFLRKAIAKVKRYI-ENNSVSKOLKPATKTYIRDGIKKQIQGSV 169
135 CSGFRKLEPCVSNEERKLAKAIYKVKYIILDNNGIVSRQIKPATSKFIRDCKMQLQIDD 194
170 MFDOAQTEIQAVMEENAYQPLTSIDLYLEYTRSGGENTAYMS--NGGLSLSKVLCGYLPT 227
195 MFDOAQTEIQCMISDNTPLFLKSDIYLEYTRGESPKEYSDPSSGSGTCKGGLPGYLET 254
228 LNEEREWTC-ADLKCKLSS ---PTVVGLOSSKTRIATASVSTTEAE---NGFRSEKRSAD 278
255 LNEDBWKCDGDTBASROSAPS-SRLTQKLLETTATRQATSTRYSSGREFFHGSWR 313
Db 279 PVNPYHVGSKYVAPATSANDSE--LSSDALTDMSMSPDSVDGPPYRMGSEKQLQREMHRSVK 335
Qy 314 PVNPYVNTGYAMAPATSANDSEQQSMSDA--DTMSLTDSSDIDGIPYPRL--RKQHRSVK 368
336 EMHRSVKANGQVSLPHFPRTHPLPKEMTVPAAFAELLSRERLKLPLESHLSLERL 395
369 EMQESSAKANGRVLPHFPRTHPLPKMTPRMPKDI-IKVEPEKFAAELINLLEVQKEREAEKLERL 427
Qy 396 QIIRDEEKEKGSEAOALLSRDGAPOHPLAIPSG-----SYE 433
Db 428 KVRABEE--GEDADISGPSPVISHK--MPSAQPHIFAPRYSMGGAGMNRDAHE 481
Qy 434 DPTTLDLHSRVLKTPGCCOPGCGYRSPRSRSPDHHI-QHHHHQOCHTLISTGGKLPPV 493
Db 482 NPESTLDEHYQVNMKTPGCCQSPGPRHSKPKPRSPSGH-----LGKLSGTGTRIP- 532
Qy 494 ACPLIGGSKPLTKQT-----KTHHHYHIIHAWPKTKRIBIAEATQYRVLCPG 543
Db 533 -----GHGKHTTKSGMKLJDAANLYTHHKYUH -IHHHSMKMKPKEQIEAETQYVONSPFAW 586
Qy 544 GTDYCYC-SICKSHPK---APEBLPGBCGSGRGGTLPKRNAGKTEPGLALSARDGCS 598
Db 587 NVDSHNYATKSRVNSENLGMAPVMDLSGYSK-KASLSSKRNKKTDSGKS---DGANY 641
Qy 599 SAAGGPQLPQEEGDRSDQDYMWMLESRQ---SKSKPHSAQSIRKSYPLESARAAPGER- 654
Db 642 EMPSP---EDVBNQKQLQWIEGEKEISRHRKTKNHSQSSGVRKQLSHMDVPLSTERP 697
Qy 655 VSRTHLJGAGSHRSVVAR AHPTQDPAMPPLTPNTLQLQEBACRRLAEVSK---PQ 708
Db 698 VAHPWV--SAQNLNVQOSSHFPQDPTMPENPAPNPLTQLQEBARRLLEERAGKLPL 755
Qy 709 KQRCVCAVSSQDRNHSAAQAGASPAFANSPLASPDHKBTPKLVASHLQASELUVTVFC 768
Db 756 KQR--LKPKQKR-----POSGASOPCEN-----IVVAYFC 783
Qy 769 GEEIPYRMILKAQSLTLGHFKEOLSKKGNYRYFFKASDEFAGAVPEEIWDDBTVLPMY 828
Db 784 GEEIPYRTVNLGRVVTLGGFKELLTKGNYRYFKCVSDFDCGVPEBVRDEDTILP 843
Qy 829 EGRILGKVYERID 840
Db 844 EEKIGKVYERID 855

RESULT⁴
US-08-890-865A-4

Sequence 4, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; ADDRESS: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: File
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890, 865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28, 678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 391-0526
; TELEFAX: (212) 391-0400
; INFORMATION FOR SBO ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 900 amino acids
; TYPE: amino acid
; STRANDBIDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein

RESULT⁴
US-08-890-865A-4

Query Match 36.1%; Score 1605; DB 2; Length 900;
Best Local Similarity 41.2%; Pred. No. 2.9e-135;
Matches 382; Conservative 125; Mismatches 248; Indels 172; Gaps 29;

55 ARRNEDEGLG-EPEEGASPDSPPLTRVTKLHSLLGGDGAFLRTFLEREKCVTDLDFWFA 113
98 PRRSISDLGYEPEEGASASPTPVLKPAESLHSLLDDODGSLFRFLKQEGGADLDFWFA 157

Qy 114 CNGFRQMLKDT--KTRLYAKATYKRYI-ENNSVSVSKQLKPATVYIRDGJKKQOQGSV 169
Db 158 CTGFRKLEPQDSNEEFLKLARAIKRYIILDNGVLSROTQKATPSFKIGCIMKQLDPA 217

Qy 170 MFDQDQTEIOAVMEEFAYQVFLTSQLEYVRSGGENTAMS-NCGLGSLKVLKGCGYLPT 227
Db 218 MFDQDQTEQATMENNTYPSFLKSDQLEYTRTGSSESPKVCSQDSSGTRKGIGSGYLPT 277

Qy 228 LNNEBWTCA-----ADLKCKLSPVTVGLSSKLTETASVSTETAAENGFRSFKFR 276
Db 278 LNNEDEWKCDQMDDEDDGRDAAPPRL-PQKLLETTAAPRVSRRSYSEGFYGRSSWR- 335

Qy 277 SDPVNPYHYGSGTVFAPATSANDSE--LSSDALTDTSMSMTDSVDGVPPYRMGSKQKL 333
Db 336 -EPVNPPYNNAGYALAPATSANDSEQUSLSDA--DTLSLTDSSDGIPYPR--RKQH 389

Qy 334 QRENHRSVKANGQVSLPHFPRTRHLPKEMTPVEPAAFAELISRLKLELRSHSLEE 393
Db 390 RRENQESAQVNGRVLPLPRTVPKVEYR-VEPKFABELIHRLEAVORTREAEKLEE 448

Qy 394 RLQQTREDDEKEGSBQALSSRDGAQVQ-----HLLALPS-----G 429
Db 449 RLKRVRMEEGE-----DGDSSGGPPGPCHKLPPAPAWHHPPLRCLCTWAGLIRD 499

Qy 430 SYEEDPOTLDDHLSRVLKTPGCOSPGVGRYSPRSRSPDHINHHHQOCTTLLSTGGKL 489
Db 500 AHEENPESILDEHQVRLTGTGROS PG-----PGRSPDGHV-----AKM 540

Qy 490 PPVACPLIGGKSFITKQTK-----HVHHYIHHHAVPVTKESEEAATVORVRC 539
Db 541 PVALGGAASGHGHKVPKSGAKLDAAGLHHHRHVHHV--HHSTARPKEQVEAATRAQOS 598

Qy 540 LCPEGTDYCSK-----CKSHPKAPEPOLPGEQFGSRGQTLPKNAKGTEPGLLALSARD 594
Db 599 SFANGLEPISHGARSQYSESVGAAPNADGLAHSG-KVGVACKENAKKAESGKAST-- 655

Qy 595 GGMSAAAGGPQLPG--EEDRSQDWOMMLESERO--SKSKPHSAQSIRSKYPSLEBARA 649
Db 656 -----EVPASEDAEKNQKIMQWIEGEREISRHRTGHSSGTRKPOPHNSRP 705

Qy 650 APGRVSRHILLGASHRSVARAHPTODPAMPPLTPNPLAQEEACRRAEYSK-- 706
Db 706 -----LSLEHPWGPQLRTSQVPSHLFIQDPTMPHPNPLTQLEARRRLEBEBERKAS 760

Qy 707 --PQKQRCCVASQDRNHSAAQGAGASFPNP-----SLAPEGDKEPKPLASV 753
Db 761 RAFLSKRQTVQEMNR-----GRACVRPACAPVLUVPAVSDMELSETTRSQVKVGG 813

Qy 754 HALQASELUVTYFFCGEEIYPRYRMKKAQSLTGHFKBOLSKKGNYRYFKKASDPRFACGA 813
Db 814 SAOPCDTSIVVAYFCGEPYPTLVRGRAVTLGOFKELLTKKGSTRYFCKVSDBDGCV 873

Qy 814 VPEEIWDDTBVLPMYERGILGVYERID 840
Db 874 VPEEEVREBEAVLPVFEKIGKVEKVD 900

; Sequence 19, Application US/08890865A
; Parent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; ATTICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USBS THEBROF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: File
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890, 865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28, 678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 391-0526
; TELEFAX: (212) 391-0400
; INFORMATION FOR SBO ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 900 amino acids
; TYPE: amino acid
; STRANDBIDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein

Qy 12 DPSSISFREDAPRPPVPGECETPPCQPSVCGKVOSTKMPVY-----SN 54
Db 48 DLGASFTEDAPRPPVPGECETPPCQPSVCGKVOSTKMPVY-----SN 54

Qy 12 DPSSISFREDAPRPPVPGECETPPCQPSVCGKVOSTKMPVY-----SN 54
Db 48 DLGASFTEDAPRPPVPGECETPPCQPSVCGKVOSTKMPVY-----SN 54

CITY: New York STATE: New York
COUNTRY: US ZIP: 10036
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
MEDIUM TYPE: Floppy disk
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/890,865A
FILING DATE: 10-JUL-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 0575/54249
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)278-0400
TELEFAX: (212)391-0526
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 127 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Protein
3-08-890-865A-19

77 Pmkts:5611G00GAY1FRTF1ERKCVDT1DEW1PACNGPROMNIKDT---KTRL
Querry Match 9.3%; Score 412; DB 29; Length 127;
Best Local Similarity 62.2%; Pred. No. 4.4e-29;
Matches. 79; Conservative 21; Missmatches 23; Indels 4; G

1	RWAESLHSLLDDQCGISLFRTFKLEQGACDALLDFACSGFRKLKPCDSNEEKILLKARA	60
134	TYKRYI-T-ENNSVSRQLPKATKTYRDGKIKKQOIQGVMFDQAOQTEIQAVMBENAVQVFLT	192
61	TYRKYILDNSGIVSRQTKPATKSFKDCVMKQIDPAMFDQAOQTEIQSIMEENTYPSFLK	120
193	SDIVLEY 199	
	SDIVLEY 127	

5
-09-244-314-2
Sequence 2, Application US/09244314
Patent No. 6274362
GENERAL INFORMATION:
APPLICANT: Hodge, Martin R.
APPLICANT: Yone, David
TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof
FILE REFERENCE: 5800-19-035800174680
CURRENT APPLICATION NUMBER: US/09/244.314
CURRENT FILING DATE: 11/06/00
CITY: ST. LOUIS, MO
STATE: MO
ZIP: 63141

Qy 83 HSLLGDDGAYLFRTRPLEREKCVDTIDFWFACNGPR-----QMLKDTKTLRVAIKY 136
 Db 88 DKLLSHRDGLEAFTRELKTEFSEENIEFWACEDFKSKGPQQIHLK-----AKAIYE 140

Qy 137 RYIENNSVSKQLKPATKTYIRDGKQQIGSVMFDQAOETIQAUMEENAYQVFLTSIDY 196
 Db 141 KPIQTDAPKEVNLDFTKIEVITNSITQPTLHS--FDAAQSRVYQLMEQDSYTRFLKSDIY 198

Qy 197 LE 198
 Db 199 LD 200

RESULT 6
 US-09-498-959-2
 ; Sequence 2, Application US/09498959
 ; Patent No. 6410240
 ; GENERAL INFORMATION:
 ; APPLICANT: Hodge, Martin R.
 ; TITLE OF INVENTION: RSS-Containing Molecules and Uses
 ; TITLE OF INVENTION: Thereof
 ; FILE REFERENCE: 5800-19A
 ; CURRENT APPLICATION NUMBER: US/09/498,959
 ; CURRENT FILING DATE: 2000-02-04
 ; EARLIER APPLICATION NUMBER: 09/244,314
 ; EARLIER FILING DATE: 1999-02-04
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 235
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-498-959-2

Query Match 4 7%; Score 208; DB 2; Length 235;
 Best Local Similarity 30.8%; Pred. No. 3.1e-10;
 Matches 56; Conservative 34; Mismatches 58; Indels 34; Gaps 6

Qy 41 GKVQSTKPKMPVSSNARN-----ED-----GLGEPGRASPDSPLTRWTKSL 82
 Db 29 GKEETSKAEKTRAKERNRNLSSLYQKPEFHEDTRSSRGHLAKETRVSPEAV-KNGESF 87

Qy 83 HSLLGDDGAYLFRTRPLEREKCVDTIDFWFACNGPR-----QMLKDTKTLRVAIKY 136
 Db 88 DKLLSHRDGLEAFTRELKTEFSEENIEFWACEDFKSKGPQQIHLK-----AKAIYE 140

Qy 137 RYIENNSVSKQLKPATKTYIRDGKQQIGSVMFDQAOETIQAUMEENAYQVFLTSIDY 196
 Db 141 KPIQTDAPKEVNLDFTKIEVITNSITQPTLHS--FDAAQSRVYQLMEQDSYTRFLKSDIY 198

Qy 197 LE 198
 Db 199 LD 200

RESULT 7
 US-09-894-749-2
 ; Sequence 2, Application US/09894749
 ; Patent No. 6830914
 ; GENERAL INFORMATION:
 ; APPLICANT: Hodge, Martin R.
 ; TITLE OF INVENTION: RSS-Containing Molecules and Uses Thereof
 ; FILE REFERENCE: 5800-19, 035800/174680
 ; CURRENT APPLICATION NUMBER: US/09/894,749
 ; CURRENT FILING DATE: 2001-06-27
 ; PRIOR APPLICATION NUMBER: 09/244,314
 ; PRIOR FILING DATE: 1999-02-04
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 235

TYPE: PRT
ORGANISM: Homo sapiens
US-09-894-49-2

Query Match 4.7%; Score 208; DB 2; Length 235;
Best Local Similarity 30.8%; Pred. No. 3.1e-10;
Matches 56; Conservative 34; Mismatches 58; Indels 34; Gaps 6;

Qy 41 GKVQSTREMPVSEARNR-----ED-----GLGEPERGRASPSPDPLTEWTKSL 82
Db 29 GKEETSKKAETKRAKERNRNRLSILVQKPEFEDTRSSRGHLAKETRVSPEAV-KWGESF 87

Qy 83 HSLLGDDGAVYLFRFLEREKCVDTLDWFACNGFR-----QMNLLKDTKTLRVAKAIYK 136
Db 88 DKLJSHRDGLEAFTRFLKTERSEBENTEWIAEDFKFSKGQFQQLHK-----AKAIVE 140

Qy 137 RYIENNVSVKSKLPKATKTYIRDGIKKQIQGSVMPDQATEIQAMMEENAYQVFELTSIDY 196
Db 141 KPIQTDAPKVNLDFTKEVITNSITQPTLHS-FDAAOSRVYQUMEOQSYTRFLKSDY 198

Qy 197 LE 198
Db 199 LD 200

RESULT 8
US-09-270-767-43189
; Sequence 43189, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; SEQ ID NO: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 43189
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-43189

Query Match 4.4%; Score 196; DB 2; Length 313;
Best Local Similarity 20.9%; Pred. No. 5.9e-09;
Matches 103; Conservative 64; Mismatches 130; Indels 196; Gaps 20;

Qy 361 EMTPVPEPAFAELISRLKLUKLEBSLLEERLQ-----IREDEKEGSEQALSSR 414
Db 4 EHRPLKEEVLSSLIPKLS---EVKRCRDLERARERNPGRALLTNESSASDRAFE- 58

Qy 415 DGAPVQHPLALLPSSGYEDPQTILDHLSRVLKTPGCGSPGVRSRSPRSDDHHOH 474
Db 59 --AIREKFLA-----DENDDQDILQDHTSRVWWD---QTP-----HRSP----- 92

Qy 475 HHQOCHTLIYSTGGKLPPVVAACPLLGGSFLTKTQTKVHHYIHHHAVPKTKEEIAAT 534
Db 93 -----GMSP----- 97

Qy 535 QVRVCLCPGTDYCCSKKSHPKAPEPLPGEQFCGSRQSTLPKRNAAKTEPGLALSARD 594
Db 938 -----CP-----PIP-----SRRT-----ATHD 111

Qy 595 GMSS2AAGGQLPQGREGDSQDVQWMLLSSERQKSXP-HSAQSTRKSYPLSARAAGE 653
Db 112 SGMTS-DGAMSLSG-----HSMKHSKSMDFHSSCRSLTKNKPMTNTSGI 156

Qy 654 RVSRRHHLGAGHSRSVARAHPFTODPAMPPLPPTNLTQLQLEPACRRLAEVSKPKQKRC 713
Db 157 SM-----FAD-TWIKYDASTSKLEZAKRERED--BPRRSR 193

Qy 714 V-----ASQQRDRNHSAAQAGAGASPPANSLAPDHEKPKKLASVHLQASELUVTYFF 767

Db 194 AQPMIOHLSQOPLASFSSSSGGSISL-----PHQPPPLPA-----KPPETIVVFSF 240
Qy 768 CGEEPYRMRMLKAQSUITLGHIFKEQSLSKKGNYRYPKASDEFACGAVFEEITWDDERTLPM 827
Db 241 CBEPPYRKLPGTGTQPTLQFQDYLPRGRHFRFFKTHCEDSPVQEEIVNDSIDLPL 300

Qy 828 YEGRLIGKVERID 840
Db 301 FGDKMGLVKPDS 313

RESULT 9
US-09-244-314-4
; Sequence 4, Application US/09244314
; Patent No. 627432
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; APPLICANT: Yow, David
; TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof
; FILE REFERENCE: 5800-19, Q35800/174380
; CURRENT APPLICATION NUMBER: US/09/244,314
; CURRENT FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 4
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-244-314-4

Query Match 4.3%; Score 193; DB 2; Length 235;
Best Local Similarity 28.1%; Mismatches 69; Indels 22; Gaps 5;

Qy 41 GKVQSTKPNPVSSNARRNE-----DGLGE-----PGRASPSPPLTWTKSL 82
Db 29 GKEETSKIAKTRAKERNLSSLQRPDPGETQASRSALLAKETRVSPEAV-KWAESF 87

Qy 83 HSLQJDQDASYLFRFLBECVQDLDIFACNGFRQMLKDTKLRLVAKAIYKRYIENN 142
Db 88 DKLJSHRDGVDAFTRFLKTEFSBENIEFWVACEDFKCK-EPQQLILKAKAYKPIQND 146

Qy 143 SVWSKQLKEPATKTYIRDGKQOQIGSVMQDQATEIQAYMEENAYQVFLTSIDYLYV 200
Db 147 APREVNIDPHTKETVAKSTAQPLHS--FDTAOSRVYQLMEDSYRRFLKSETYLH 202

RESULT 10
US-09-438-959-4
; Sequence 4, Application US/09498959
; Patent No. 641040
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; APPLICANT: Yow, David
; TITLE OF INVENTION: RGS-Containing Molecules and Uses
; FILE REFERENCE: 5800-19A
; CURRENT APPLICATION NUMBER: US/09/498,959
; CURRENT FILING DATE: 2000-02-04
; EARLIER APPLICATION NUMBER: US/09/244,314
; EARLIER FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSEQ For Windows Version 3.0
; SEQ ID NO: 4
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-498-959-4

Query Match 4.3%; Score 193; DB 2; Length 235;
Best Local Similarity 28.1%; Mismatches 69; Indels 22; Gaps 5;

4.1 GRVQSTKMPVSSNARNE-----DGLGE-----PEGRASPDSPLTRWTKSL 8.2
 |||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 29 GKEEITSIKAERKAKERNRLLSLLQRLDFGETQASRSLALLAKETRVSPPEAV-KMAESF 8.7
 |||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Qy 8.8 HSLLGDODGAYLFRTEKCVDTLDFWAGCNGFROMNLKDTKTLRVAKAYKRYENN 14.2
 |||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 8.8 DKLLSHRDGVDAFRFLTEKFSEBENEFWVACEDFKKKK-BPQQILKAKAYKEFIQND 14.6
 |||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Qy 14.3 SVVSKQLKPATKTYIRDGIIKKQIGSYMFDQAQTELOAQMVBENAYQVFLTSIDYLEVY 200
 |||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 14.7 APKEVNIDFHTKEVIAKSIAQPTLHS-FDPAQSRYVQLMBHDSYKRFKSBTYLHLI 202
 |||:|||:|||:|||:|||:|||:
 RESULT 11
 US-09-894-749-4 Application US/09894749
 Patent No. 6810914
 GENERAL INFORMATION:
 APPLICANT: Hodge, Martin R.
 INVENTOR: Yow, David
 TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof
 FILE REFERENCE: 580-19, 035800/174680
 CURRENT APPLICATION NUMBER: US/09/894-749
 CURRENT FILING DATE: 2001-06-27
 PRIOR APPLICATION NUMBER: 09/244, 314
 PRIOR FILING DATE: 1999-02-04
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 4
 TYPE: PRT
 ORGANISM: Mus sp.
 US-09-894-749-4

Query Match Score 193; DB 2; Length 235;
 Best Local Similarity 28.1%; Pred. No. 6.9e-09;
 Matches 50; Conservative 37; Mismatches 69; Indels 22; Gaps 5;
 Qy 4.1 GRVQSTKMPVSSNARNE-----DGLGE-----PEGRASPDSPLTRWTKSL 8.2
 |||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 29 GKEEITSIKAERKAKERNRLLSLLQRLDFGETQASRSLALLAKETRVSPPEAV-KMAESF 8.7
 |||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Qy 8.8 HSLLGDODGAYLFRTEKCVDTLDFWAGCNGFROMNLKDTKTLRVAKAYKRYENN 14.2
 |||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 8.8 DKLLSHRDGVDAFRFLTEKFSEBENEFWVACEDFKKKK-BPQQILKAKAYKEFIQND 14.6
 |||:|||:|||:|||:|||:|||:
 Qy 14.3 SVVSKQLKPATKTYIRDGIIKKQIGSYMFDQAQTELOAQMVBENAYQVFLTSIDYLEVY 200
 |||:|||:|||:|||:|||:|||:|||:
 Db 14.7 APKEVNIDFHTKEVIAKSIAQPTLHS-FDPAQSRYVQLMBHDSYKRFKSBTYLHLI 202
 |||:|||:|||:
 RESULT 12
 US-08-890-865A-23 Sequence 2.3, Application US/08890865A
 Patent No. 6307019
 GENERAL INFORMATION:
 APPLICANT: Constantini, Franklin
 INVENTOR: Zeng, Li
 TITLE OF INVENTION: AXIN GENE AND USES THEREOF
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Cooper & Dunham LLP
 CITY: New York
 STATE: New York
 ZIP: 10036
 COUNTRY: US

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/890, 865A
 FILING DATE: 10-JUL-1997
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: White, John P.
 REGISTRATION NUMBER: 28, 678
 REFERENCE/DOCKET NUMBER: 0575/54249
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 278-0400
 TELEFAX: (212) 391-0526
 INFORMATION FOR SEQ ID NO: 23:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 51 amino acids
 TYPE: amino acid
 STANDEENESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: Protein
 US-08-890-865A-23

Query Match Score 190; DB 2; Length 51;
 Best Local Similarity 66.7%; Pred. No. 1e-09;
 Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;
 Qy 783 LTIGHAFKEQLSKGKGNRYYFPGKASDFACCAVFBESIWIODELPMPYEGRIL 83.3
 |||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 1 VTIGQFKELITKGSVRYYFKVSEBFDCGVVPEEVREDPVLVPEEKII 51.
 RESULT 13
 US-10-113-794A-2
 Sequence 2, Application US/10113794A
 Patent No. 6919313
 GENERAL INFORMATION:
 APPLICANT: Flanagan et al.
 TITLE OF INVENTION: B-EPHRIN REGULATION OF G-PROTEIN COUPLED
 FILE OF INVENTION: CHEMOSATRACTION
 CURRENT APPLICATION NUMBER: US/10/113, 794A
 CURRENT FILING DATE: 2002-04-01
 NUMBER OF SEQ ID NOS: 6
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 2
 LENGTH: 519
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-113-794A-2

Query Match Score 189.5; DB 2; Length 519;
 Best Local Similarity 32.0%; Pred. No. 5.3e-08;
 Matches 49; Conservative 26; Mismatches 67; Indels 11; Gaps 4;
 Qy 56 RRNEDGELGEPGR-----SPDS-PLPRTWTKSHLSLGDQDGYLFRFLERKCVDT 1.07
 |||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 361 RRNNSPGAPPAGKADKMMKSFKPISSEALKWGESELEKLVVKYGLAVFOALRTEFSEEN 420
 |||:|||:|||:|||:|||:|||:
 Qy 108 LDFWFAACNGFROMNLKDTKTLRVAKAYKRYENNVSVKLPATKTYIRDGIRKQOIG 167
 |||:|||:|||:|||:|||:
 Db 421 LBFWFAACEDPKVK-SQSKHASKKAKFIAQACKEVNLDSYFREHTKDNL--QSVT 477
 |||:|||:|||:
 Qy 168 SVMFDOACTEIQAVMENAYQVFLTSIDYLEVY 200
 |||:|||:|||:
 Db 478 RGCFDIAQKRFGLNEKDSYPRFLSDLYLDLI 510
 |||:|||:
 RESULT 14
 US-09-949-016-9918 Sequence 9918, Application US/09949016
 Patent No. 6812339
 GENERAL INFORMATION:
 APPLICANT: Venter, J. Craig et al.
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 FILE REFERENCE: CL001307

CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 20/012
SOFTWARE: Fast-SEQ For Windows Version 4.0
SEQ ID NO: 9918
LENGTH: 520
TYPE: PRT
ORGANISM: Human
US-09-949-016-9918

Query	Match	4.3%	Score	189.5;	DB	2;	Lengh	520;
Best Local	Similarity	32.0%	Pred.	No.	5.3e-08;			
Matches	49;	Conservative	26;	Mismatches	67;	Indels	11;	Caps
by								
56	RRNEDGLGPPEGRA-----SPDS-PLTRWTKSLSLJLGDQDGAYLFRTEKCVDT	107						
362	RNESPAGPAGKADKMMKSFKP7SEALKWGESEKLLVHYYGLAVFQFLRTESEBN	421						
108	LDFWFACTGFRQMNLUKDTKTRVAKAIYKRYIENNNSVVKQLKPAKTKYFRDGKQQIG	167						
422	LEFWLACEDFKVY-SQSNSKASKKIFAYIAIQACKEVNLDSTREHTKDNL-QSVT	478						
by								
168	SUMFDQAOETIQOAVMEENAYQVFLTSIVLEYV	200						
479	RGEFLDAQKRFIGMEKODQYPRFRSFLDYL	511						

ESRESULT 15
US-10-1113-794A-1
Sequence 1, Application US/10113794A
Patent No. 6919313
GENERAL INFORMATION:
APPLICANT: Plangagn et al.
TITLE OF INVENTION: B EPHRIN REGULATED
CHEMOTACTRACTION
FILE REFERENCE: 2535/1106
CURRENT APPLICATION NUMBER: US/10/11
CURRENT FILING DATE: 2002-04-01
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 1
LENGTH: 930
TYPE: PRT
ORGANISM: *Mus musculus*

Result No.	Score	Query Match	Length	DB	ID	Description
1	4027.5	90.6	843	5	US-10-723-860-1797	Sequence 1797, Ap
2	4027.6	90.6	843	5	US-10-751-36-116	Sequence 116, App
3	1654.5	37.2	842	3	US-09-798-331-8	Sequence 8, Appli
4	1619.5	36.4	862	4	US-10-786-720-35	Sequence 35, Appli
5	1615.7	36.4	912	4	US-10-092-900A-270	Sequence 270, App
6	1615.5	36.3	347	4	US-10-264-049-2846	Sequence 2846, App
7	1612.5	36.3	826	4	US-10-786-720-36	Sequence 36, Appi
8	1605.5	36.1	900	4	US-10-374-919-91	Sequence 91, Appi
9	1605.5	36.1	900	4	US-10-182-936A-91	Sequence 91, Appi
10	1605.5	36.1	900	5	US-10-477-238A-670	Sequence 670, App
11	1605.5	36.1	900	5	US-10-680-38A-670	Sequence 670, App
12	1605.5	36.1	900	5	US-10-477-173-670	Sequence 670, App
13	860	19.3	461	4	US-10-786-720-34	Sequence 34, Appli
14	733	16.5	155	4	US-10-106-698-5928	Sequence 5828, App
15	457.5	10.3	745	6	US-11-097-143-3015	Sequence 3015, App
16	208	4.7	227	3	US-09-867-550-848	Sequence 848, Appli
17	194	4.4	776	4	US-10-087-792-128	Sequence 1728, App
18	208	4.7	235	3	US-09-894-749-2	Sequence 2, Appli
19	208	4.7	235	5	US-10-258-371B-20	Sequence 20, Appli
20	198	4.5	916	5	US-10-989-054-2	Sequence 2, Appli
21	198	4.5	1059	5	US-10-899-422-13	Sequence 13, Appli
22	194	4.4	776	4	US-10-087-792-128	Sequence 11, Appli
23	193	4.3	235	3	US-09-894-749-4	Sequence 1, Appli
24	193	4.3	235	5	US-10-989-054-4	Sequence 4, Appli
25	190.5	4.3	284	4	US-10-094-749-1650	Sequence 1650, App
26	189.5	4.3	519	4	US-10-113-794A-2	Sequence 2, Appli
27	189.5	4.3	519	3	US-10-428-487-14	Sequence 14, Appli

361 ENTPVEPAFAAELISRLEKLUELFERSHSLFERRLQOIREDEEKEGSSEAOALSSRDGAPYQ 420
 361 ENTPVEPAFAAELISRLEKLUELFERSHSLFERRLQOIREDEEKEGSSEAOALSSRDGAPYQ 420
 361 ENTPVEPAFAAELISRLEKLUELFERSHSLFERRLQOIREDEEKEGSSEAOALSSRDGAPYQ 420
 421 HPLALLSGSYYEDPQTLLDHLRSVLKTPGCGSPYGRSPRSRSPDHHQHHHQCH 480
 421 HPLALLSGSYYEDPQTLLDHLRSVLKTPGCGSPYGRSPRSRSPDHHQHHHQCH 480
 421 HPLALLSGSYYEDPQTLLDHLRSVLKTPGCGSPYGRSPRSRSPDHHQHHHQCH 480
 421 HPLALLSGSYYEDPQTLLDHLRSVLKTPGCGSPYGRSPRSRSPDHHQHHHQCH 478
 481 TLLSTGSKLPPVAA---ACPLIGKKSPLTKQTTHYHIIHHAVPKTKEEIAEATQR 536
 481 TLLSTGSKLPPVAA---ACPLIGKKSPLTKQTTHYHIIHHAVPKTKEEIAEATQR 536
 479 SLLPPGKLPPAASCPACPLIGKKSPLTKQTTHYHIIHHAVPKTKEEIAEATQR 538
 537 VRCLCPGSTDYCCSKKSHPKAPEPLPGE OF CGSRRGCTLPKPKRAKOTEPGLSARDGG 596
 537 VRCLCPGSTDYCCSKKSHPKAPEPLPGE OF CGSRRGCTLPKPKRAKOTEPGLSARDGG 596
 539 VRHFCPCGSEYCCSKKSHPKAETMPSQEGGSRSTLPKRGNGCTPGLPAREGG 598
 539 VRHFCPCGSEYCCSKKSHPKAETMPSQEGGSRSTLPKRGNGCTPGLPAREGG 598
 597 MSSAAGPQLPQLEPBEGRDSQYQWMLSEROSKSKPHSAQSTRKSYPLESARAAPGERSV 656
 597 MSSAAGPQLPQLEPBEGRDSQYQWMLSEROSKSKPHSAQSTRKSYPLESARAAPGERSV 656
 599 APGGAGAQLPQLEPBEGRDSQYQWMLSEROSKSKPHSAQSTRKSYPLESARSSPGRAS 658
 599 APGGAGAQLPQLEPBEGRDSQYQWMLSEROSKSKPHSAQSTRKSYPLESARSSPGRAS 658
 657 RHHLLGA-SGHRSRVARAHPFTQDAMPPLTPPNTLAQLEAACRRLAEVSKPKQKRCVA 715
 657 RHHLLGA-SGHRSRVARAHPFTQDAMPPLTPPNTLAQLEAACRRLAEVSKPKQKRCVA 715
 659 RHHHLGGNSGSHPRTPRAHLFTQDAMPPLTPPNTLAQLEAACRRLAEVSKPKQKRCVA 718
 716 SQDRDRNHSAAQOGAAGASPANPSLAPDKEPKKCLASVHALQASELVTYFFCGBE1PYR 775
 716 SQDRDRNHSAAQOGAAGASPANPSLAPDKEPKKCLASVHALQASELVTYFFCGBE1PYR 775
 719 SQDRDRNHSATVQTGATPFSNPLSLAPDKEPKKCLASVHALQASELVTYFFCGBE1PYR 778
 719 SQDRDRNHSATVQTGATPFSNPLSLAPDKEPKKCLASVHALQASELVTYFFCGBE1PYR 778
 776 RMLKAQSLTGLGKFEQLSKKGNYRYFKKASDFBACCAVFBRIWDETVLPMEGRILGK 835
 776 RMLKAQSLTGLGKFEQLSKKGNYRYFKKASDFBACCAVFBRIWDETVLPMEGRILGK 835
 779 RMLKAQSLTGLGKFEQLSKKGNYRYFKKASDFBACCAVFBETWDETVLPMEGRILGK 838
 779 RMLKAQSLTGLGKFEQLSKKGNYRYFKKASDFBACCAVFBETWDETVLPMEGRILGK 838
 RESULT 3
 US 10-751-736-116
 ; Sequence 116, Application US/10751736
 ; Publication No. US20040265230A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wyeth
 ; APPLICANT: Martinez, Robert
 ; APPLICANT: Brown, Eugene
 ; APPLICANT: Liu, Wei
 ; TITLE OF INVENTION: CANCERS
 ; FILE REFERENCE: ARI100927 (031896-002000)
 ; CURRENT APPLICATION NUMBER: US/10/751-736
 ; CURRENT FILING DATE: 2003-01-06
 ; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
 ; PRIOR FILING DATE: 2003-01-06
 ; NUMBER OF SEQ ID NOS: 54873
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 116
 ; LENGTH: 843
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-751-736-116

Query Match 90.6%; Score 4027.5; DB 5; Length 843;
 Best Local Similarity 89.7%; Pred. No. 1..1e-276;
 Matches 758; Conservative 31; Mismatches 49; Indels 7; Gaps 3;

1 MSSAVIYTLPPDPSSPFREDAPRPPVPCBEGETPPCOPSGVKQSTKMPVSSNARANED 60
 1 MSSAVIYTLPPDPSSPFREDAPRPPVPCBEGETPPCOPSGVKQSTKMPVSSNARANED 60
 61 GLGEPEGASPDSPSLTRWTKSLHSLGQDGAFLRTLEREKCVDTLDFWFACNGFRQM 120
 61 GLGEPEGASPDSPSLTRWTKSLHSLGQDGAFLRTLEREKCVDTLDFWFACNGFRQM 120

RESULT 3
 US-09-798-831-8
 ; Sequence 8, Application US/09798831
 ; Patent No. US2010105217-A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KLEIN, Peter S.
 ; TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOCEN SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT
 ; TITLE OF INVENTION: SIGNALING
 ; FILE REFERENCE: 209596_0391/306U1
 ; CURRENT APPLICATION NUMBER: US/09/798-831
 ; CURRENT FILING DATE: 2001-03-01
 ; PRIOR APPLICATION NUMBER: US 60/186,141
 ; PRIOR FILING DATE: 2000-03-01
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 8
 ; LENGTH: 842
 ; TYPE: PRT

ORGANISM: Xenopus laevis
 US-09-798-831-8

Query Match 37.2%; Score 1654.5; DB 3; Length 842;
 Best Local Similarity 42.5%; Pred. No. 2.8e-108;
 Matches 385; Conservative 125; Mismatches 246; Indels 149; Gaps 28;

Qy 12 DPSSSFREDAQRPVPGEGE -TPCQPSVGKVQSTKPMV ---SSNARRNEDGIG- 63
 Db 11 DLGGSPTEADQRPVPGEGEGLITTPQRFPSHTYSLKNDIKNETSTAPRPPDLDGY 70
 Qy 64 EPEGRASPDSPLTRWTKSLHLLGDGAYLFRTRFLERCRVDTLDFWFACNGFQMNLIK 123
 Db 71 EPEGSASPTPPYLUKWAESLSSLDDQGHILFRTRFLQENCADLDFWFAACSGFRKLEPN 130
 Qy 124 DTKT---LRYAKAIVKRYI -ENNSVSYSKQLKPATKTYIRDGKIKOQGKSYMFDOAQTEIQ 179
 Db 131 DSKVKEKRLAKAIVKRYI VLVDSNGIVSRQIKPATKSFIDKOCVLRQOIDPMDQDQMEIQ 190
 Qy 180 AVMEENAYQVPLTSQDYLEYVRSGGENTAYMS -NGGLGSLKVLCGLYPLTLINEEBETC- 236
 Db 191 SMMDENTYPFLKSDQDYLEYTTIGESPSKKNYSDQSSGSGTKGPGSCYLPTLINEDEEWRC 250
 Qy 237 ----ADLKC---KLSPTVPGVLSSKTLRATASVSTETAEANGFSSPKSFQDPVNPFYHVG 287
 Db 251 QGGEHERERECIPSSFLFSQKLADSSSSHACGSNRRLSDGRE -FPRGTRWREPVNPFYNT 308
 Qy 288 GYVFAPAT SANDSE --LSSDALTDDMSMTDSSYDGVPPYRMGSKKQLOREMRHRSVKAN 344
 Db 309 GYAGAPVTA SANDS DBOQSMSSSA --DTM5LDTSSYDGVPPYRL - RIKHTRREM0ESANAN 363
 Qy 345 GQVSUPHPTRTHLPKEMTPVEPAFAAELISRLERKLUBLESHSLSLEBPLQQLIREDEK 404
 Db 364 GRGPALPHIPTYHMKDI -HVDPEKPAELISRLERKLUVRLDREAEQKLERKLUVRAEE - 420
 Qy 405 EGSEAOALSRSRDGAPVOPHPLALLPSG -
 Db 421 EGDDGDVSSGSPSV -ISHK --LPSGPPMTHFNSRYSSETGCVCVMQ1RDABEENPESLDEH 476
 Qy 443 LSRVLTPGCOSPGVGRYSPRSRSPDHHHQ -----HHHHOCHTLLUSTGGKL 489
 Db 477 VQRNKTPGCOSPGTGRHSPKSRDPGHISKTLPSLGMOTGCKHKSSTAKVDSGNL 536
 Qy 490 PPVAACPLLGKSFITKOTKXVHVVHIIHHAVPKTKELEAATORVCLCPGSTDYIC 549
 Db 537 -----RHHKHVYTH -VHHHGCVKPEQKIDGEQRSTQVTFNPNVNESEN 578
 Qy 550 YSK ---CKSHPKAPEPLPGEQFCGSRGTLPKRNKAQGTBEGPLALSARDGGMSSAAGGP 604
 Db 579 YATKSRNYAESMGWAPNPMDSLAVSG -KVSMLSKRNKAQADLGKSESA -----SHEMP 630
 Qy 605 QLPGRGDRSQRDVMWMLSERQ --SKSKPHSAOSIRKSYPLESARAPGERSRHHL 661
 Db 631 VVP -EDSEHRHQKLIOWIMEGEKEITRHKSNHSSSSAKQOPTELARPSIERTGAVHFW 689
 Qy 662 GASCHRSRSTARAHPFTQDAMPPLTPPNTLQL -EEACRRLAEVSK -----POKORCCVA 715
 Db 690 VSAQRLRNVYQPSHPTQDTPMPNPAPNPP -TQLYSKPQGARLLEEEKAQXMPQRQL -- 746
 Qy 716 SQQRDRNHSAGQAGASPAFNPNSLAPEDIKEPKKLAQASBELVTTYFFCCGEEIPR 775
 Db 747 -----KPOKGNVNSASQPCDUNIVVYAYFCGCBPIPR 777
 Qy 776 RMLKAQSLTUGHFKEQLSRGNTYYFKRASDEPAGA VEEIWDETIVLPMYEGRLRK 835
 Db 778 TMVKGRVVTILQFKELLTQFKELLTQFKELLTQFKELLTQFKELLTQFKELLTQFKE 837
 Qy 836 VERID 840
 Db 838 VEKID 842

US-10-786-720-35
 ; Sequence 35, Application US/10786720
 ; Publication No. US200401918A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wyeth
 ; INVENTOR: Liu, Wei
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
 ; FILE REFERENCE: 031816-020000 (AM101331L)
 ; CURRENT APPLICATION NUMBER: US/10/786,720
 ; CURRENT FILING DATE: 2004-02-26
 ; NUMBER OF SEQ ID NOS: 21135
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 35
 ; LENGTH: 862
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-786-720-35

Query Match 36.4%; Score: 1619.5; DB 4; Length: 862;
 Best Local Similarity 41.9%; Pred. No. 8.9e-106;
 Matches 385; Conservative 127; Mismatches 251; Indels 155; Gaps 30;
 ; SN 54

Qy 12 DPSSSFREDAQRPVPGEGEGETPPCOPSPVQVQSTKPMVVS -----
 Db 11 DLGAFTEDAQRPPVGEEGEGETPPCOPSPVQVQSTKPMVVS -----
 ; LVSTDPRPASYSFSQGKVGVIGKGETSTAT 60
 Qy 12 DPSSSFREDAQRPVPGEGEGETPPCOPSPVQVQSTKPMVVS -----
 Db 11 DLGAFTEDAQRPPVGEEGEGETPPCOPSPVQVQSTKPMVVS -----
 ; LVSTDPRPASYSFSQGKVGVIGKGETSTAT 60
 Qy 55 ARRNEFDGLG -EPEGRASPDSPLTRWTKSLHSLGLGODGAYLFRTRFLEREKCVDTLDWFA 113
 Db 61 PRRSSLDLGYPBEGASASPTPQYKWAESLSSLDDQDGISLFRTRFLQKGEGADLIDWFA 120
 Qy 114 CNGFQMNKLDT --KTLRVAKAIKRYI -ENNSVSKQKLPATKTYIRDGKIKQOIGSV 169
 Db 121 CTGFRKLEPQDSNEEKRKLARAIRKTYILDNNNGIVSRQTKPATSFIKGCTMKQJIDPA 180
 Qy 170 MFQDQOTEQAVMENAYQVFLTSQDYLEYVRSGGENTAYMS -NGGLGSLKVLCGYLPT 227
 Db 181 MFQDQOTEQAVMENAYQVFLTSQDYLEYVRSGGENTAYMS -NGGLGSLKVLCGYLPT 240
 Qy 228 LNEEFEWTC -----ADLICKLSPTRVGLSSKTLRATASVSTETAEANGFRSFKR 276
 Db 241 LNEDEWKCDQDMDDGDDGDAAPPRSL -PORLLETAAPRVSRRYSEGEBFRYSSWR - 298
 Qy 277 SDPYNPQHVGSGYVFPAT SANDSE --LSSDALTDDMSMTDSSDUDGVPPYRMGSKQKL 333
 Db 299 -EPVNPYVYNAQYALAPATSANDS SQQQLSSDA --DTLSLTDSSYDGVPPYRI -RKOH 352
 Qy 334 QRENHRSVXANGQVSLPHFPTTRHLPKENTPVEPAPAAELISRLERKLUBLESHSLEE 393
 Db 353 RRENQESVQNGRVLPLPHFPTTRVKEVR -VEPKPAELIHLREAVQRTREAEEKLE 411
 Qy 394 RLQQTREDEKEGSEQALSSRDG -----APVOL -PLALLPSG -----SYBEDPQI 438
 Db 412 RLDRVTRMEEBEGDGPSS -SCPPGPQHKLPPAPMWFPPRCVDMGCAGLRDAHENPESI 470
 Qy 439 GGRSEFLTKTTK -----HYHHYIHHHAVPKTKELEAATORVCLCPGSTDY 548
 Db 471 LDERHVRVLRTPGQSPG -----PCHRSPDSGHV -----AKMPVALGAAAS 511
 Qy 512 GHGRVPKPSGAKLDAAGLHHHRHVV -HHSPAPRKQVEAETRABSSFANGLEPH 569
 Qy 549 CYSK -----CKSHPKAPEPLPGEQFCGSRGTLPKRNKAQGTBEGPLAQSRRGMSAAGG 603
 Db 570 SHGRARSRGYSESVGAAPNASDGLAHSIG -KGVACKRNAKKAESGKAST ----- 617
 Qy 604 PQLQG -EGCDRSQVWQRMILESEQ - SKSKPHSAQSIRKSYPLESARAPGERSVSRH 658
 Db 618 -EVGASEDAEKQKIMOWIEGEREISRRTGFFGSSCTRKPOHENNSRP -----LSLS 671
 Qy 659 HLLGAGHSRSVVARAHPFTQDPAMPPLTPPNTLQAOLEACRRLAEVSK -----POKQRC 713

RESULT 6

Db 826 SAQPCDSIIVVAYYFCGEPPIPRTLVRGRAVTLKQFKEILTLTKGSYRYYFKVSVDFDCGV 885

Qy 814 VFEETWDDETVLPMYERIGKVERID 840

Db 886 VFEEVREDEAVLVPFEKIIIGKVERD 912

APPLICANT: Birse et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PA133P1

CURRENT APPLICATION NUMBER: US/10/264,049

CURRENT FILING DATE: 2002-10-04

PRIOR APPLICATION NUMBER: PCT/US01/18559

PRIOR FILING DATE: 2001-06-07

PRIOR APPLICATION NUMBER: US 60/209,467

PRIOR FILING DATE: 2000-06-07

NUMBER OF SEQ ID NOS: 4360

SOFTWARE: Patentin Ver. 3.1

SEQ ID NO: 2846

LENGTH: 347

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE: NAME/KEY: MISC FEATURE

LOCATION: (204)

OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids

FEATURE: NAME/KEY: MISC FEATURE

LOCATION: (240)

OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids

US-10-264-049-2846

Query Match 36 3%; Score 1615 5; DB 4; Length 347;

Best Local Similarity 86.5%; Pred. No. 4.7e-106;

Matches 300; Conservative 13; Mismatches 33; Indels 1; Gaps 1;

Db 495 CPLLGKSFPLTKQTQKHHHHYIHHAVPTKKEIEAEATORVRCLCPGGTDDYCCSKCK 554

Db 1 CPLLGKSFPLTKQTQKHHHHYIHHAVPTKKEIEAEATORVRHFCPGSEYYCCSKCK 60

Qy 555 SHPKAEPPLPGEQFCGSRGGTLPKRNAGKTPGLAISARDGGMSSAAGGPOLPGBEGDRS 614

Db 611 SHSKAPETMSESEQFGSRGSTLPKRNAGKTPGLAIPREGAPGAGAQOLPREGDRS 120

Qy 615 QDVKWMLIEEROSKSKPHQAQSITRKSYPLIESARAPGEVSRHHLGA-SGHSPRSVARA 673

Db 1211 QDVKWMLIESRQSKPKHSQSTKAYPLSARSPGEGASRHLWGNSGHPPTTPRA 180

Qy 674 HPLFTQDPAMPLPTPNTLIAQLEBACRLAEGVSKPKQRCCVASQDRHNSAAGQAGASP 733

Db 1811 HLFTQDPAMPLPTPNTLIAQLEEXCRRLAEGVSKPKQRCCVASQDRHNSATVQGTATX 240

Qy 734 FANPSLAPDHEKEPKKLASHALQSELVYTFCCCEIPYRMLKAQSLSITLGHFKEQLS 793

Db 241 FANPSLAPDHEKEPKKLASHALQSELVYTFCCCEIPYRMLKAQSLSITLGHFKEQLS 300

Qy 794 KKGNYRYYFKKASDEFACGAYFEETWDDETVLPMYEGRLIGKVERID 840

Db 301 KKGNYRYYFKKASDEFACGAYFEETWDDETVLPMYEGRLIGKVERID 347

Query Match 36 3%; Score 1612.5; DB 4; Length 846;

Best Local Similarity 42.1%; Pred. No. 2.6e-105;

Matches 380; Conservative 124; Mismatches 239; Indels 159; Gaps 29;

Db 12 DPSSSPREDAPRPPVPGEGETPPCQPSVGKVQSTKMPVSV-----SN 54

Db 11 DUGASPTEDARPPVGEEGE-----LVSSTDPRPASTSFCCSOKGVIGKGETSTAT 60

Qy 55 ARRNEIDGLG-BPEGRASPDSPLTRWTKSLHSLLGODGAYLFRTEKCVDTLDWFWA 113

Db 61 PRRSDIDLGVBPEGEASASPTPPYLKWAESLHSLLDODGISLFRTEKQEGADLIDWFWA 120

Qy 114 CNGFRMNLKDT--KTLRYAKAIYKRYI-BNNNSVSKQLPATKTYIIGOKIKKQOIGSV 169

Db 121 CTGPRKLEPCDSNEERKLKLAIRKYLDDNNGTVSROTTPATPSFIKGCTMKQUDPA 180

Qy 170 MFDQAOCTEIQAVMENAYAQVFLSDTILEYVRSGGENTAMS--NGGLGSILKVLVCGYLPT 227

Db 181 MFDQAOCTEIQATMENYPSLKLDSYLTTRTGSPPVCSDQSSGTRKGIGSSYLPF 240

Qy 228 LNEEEBWT-----ADLKCKLSPPTVYGLSSKTLRATASVSTETAEENGFRSFKR 276

Db 241 LNEDEBWKCDODMDDDGRDAAPRGR-PORTKLLTAAAPRVSSEHRYSEGRFRGCSWR- 298

Qy 277 SDPDPDVKYHQSSTGVTAPATSANDSE--LSSDADLTDSM3MTDSUDGVPPYRMSGSKQL 333

Db 299 -EPVNPYVYNNAGYALAPATSANDSEQSLSSDA--DTLSLTDSVGDIPYRI--RKOH 352

Qy 334 QREMRHSVRANGQVSPLHFRPTKLRPKMTPVEPAAELLSIRSEKLUBLBSHLSLBB 393

Db 353 RREMQESVQNGVRVPLPHIPTYRKEVR-VERPQFAELIHLRAVQRTREAEERKLE 411

Qy 394 RLQQJREDEKEKGSEAOALSSRDG-----APVQH-PLAULPSG-----SYEEDPOTI 438

Db 412 RLKRVRMEESEGDGDS-SGPGPCHKLPPAPWVHPPRCVDMGAGLDRDAHENPESI 470

Qy 439 LDDHHSRVLKTPGCSQSPGVGRYSPRSRSRSPDHQHHHQCHTLJLSTGGKLPPVACPLL 498

Db 471 LDEHVRVLRTPGRSPG-----PGRSPDSGHV-----AKMPVALGGAAS 511

Qy 499 GGKSPSLTKQTK-----HVVHHYIHHAVPKTKEIEAEATORVRCLCPGTDYV 548

Db 512 GHGKRPKPSAKLDAAGLHHHRHVV--HHSTARPKQEVAETRRAQSSEFANGLEPH 569

Qy 549 CYSK-----CKSHPKAEPPLPGEQFCGSRGGTLPKRNAGKTPGLAISARDGGMSSAAGG 603

Db 570 SHGARSRGYSBSVGAPNASDGLAISG-KIVGAVCAGNKAESGGGAST----- 617

Qy 604 PQLP-G-EEDRSQDWQWQMLLESERQ--SKSKPQSAQSIRPKSYPLERSARAAPGFRVSRH 658

Db 618 -EVPOSEDAEAKNQKIMOWTIEGRBEISURRRTGHSSTGTRKPKQPHENSRP-----LSLE 671

Qy 659 HLGAGSHSESSVARAHPFTODPAMPLPTPNTLIAQLEACRLAEGVSKPKQRCCVASQO 718

Db 672 HPWACPQLRTSVQPHLFIDPMPMPHMPHANPLTLEARRLBS--EKRAHAPSQ 728

Qy 719 RDRNHSAAQGAGASPFANPSLAPDHEKEPKKLASHALQSELVYTFCCCEIPYRML 778

Db 729 RTRSRKVGCGSAQP-----CDSSIVVAYFCEBPIPYRTLV 764

RESULT 7

US-10-786-720-36

Sequence 36, Application US/10786720

Publication No. US20040191818A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: O'Toole, Margot

RESULT 8

US-10-374-979-91

Sequence 91, Application US-10374979

Publication No. US2003021979A1

GENERAL INFORMATION:

APPLICANT: John P. Carulli et al.

TITLE OF INVENTION: THE HIGH BONE MASS GENE OF 11q13.3

FILE REFERENCE: 032296-021

CURRENT FILING DATE: 2003-03-04

PRIOR APPLICATION NUMBER: US 09/544,398

PRIOR FILING DATE: 2000-04-05

PRIOR APPLICATION NUMBER: US 09/543,771

PRIOR FILING DATE: 2000-04-05

PRIOR APPLICATION NUMBER: US 09/229,319

PRIOR FILING DATE: 1999-01-13

PRIOR APPLICATION NUMBER: US 60/071,449

PRIOR FILING DATE: 1998-01-13

PRIOR APPLICATION NUMBER: US 60/105,511

PRIOR FILING DATE: 1998-10-23

NUMBER OF SEQ ID NOS: 109

SEQ ID NO: 91

LENGTH: 900

TYPE: PRT

ORGANISM: Homo sapiens

US-10-374-979-91

Query Match 36.1%; Score 1605; DB 4; Length 900;

Best Local Similarity 41.2%; Pred. No. 1e-104; Indels 172; Gaps 29;

Matches 382; Conservative 248; Mismatches 125; Length: 900

Db 98 PRSSSFREDAPPRPVPGEBEGTPCPQSPVGKVQSTKMPVS-----SN 54

Qy 12 DPSSSFREDAPPRPVPGEBEGTPCPQSPVGKVQSTKMPVS-----SN 54

Db 48 DUGASFTEDAPPRPVGEGB-----LVSTDPRPASTSFCSKGKVGIKGETSTAT 97

Qy 55 ARRNEDEGLG-EPEGRASPDSPPLTRWTKSLHSLIGDGDGAYLFRTELEREKCYDTLDPEWFA 113

Db 98 PRSSDLDGEGEPGASAFTPPYKWAESLHSLLDDQDGLSLFRTEGADLUDPEWFA 157

Qy 114 CNGFRQMLKD0---KTRVAKAIYKRYI-ENNNSVSKQLKPATKTYRDJKKKQIGSV 169

Db 158 CTGFRKLEPCDSMEKKPLKRAYKILDINGIVSRQTKPATKSFKGCMKQJLDA 217

Qy 170 MFDQAQTEPQIYQWMEENAYQVFLTSIYLYEVRGNTYMS--NGGLSLKVLGQYLT 227

Db 218 MFDQAQTEPQIYQWMEENAYQVFLTSIYLYEVRGNTYMS--NGGLSLKVLGQYLT 277

Qy 228 LNEEENTC-----ADLKCKLUSPTVYGLSSKTLRATASVSTETAEANGPRFSKR 276

Db 278 LNEDEEWKCDQMDDEDDGRDAAPGRL-PQKULLETAAPRVSSSRVYSGRFYGSWR- 335

Qy 277 SDPVNPVYFGSGYVFAPTSANDSE--LSSDALTDSSMSMTDSSVGDGVPPYRMGSKQL 333

Db 336 -EPVNPVYNGAYALAPTSANDSEQQLSSDA--DTLSLTDSVGDGIPYPRI--RKQH 389

Qy 334 QRMHRSYKANGVSLPFLPFRPLKEMTPVEAAPAFAELISRLEKLELESRSHLS 393

Db 350 RRMQESQVNQGRVPLPFLPFRPLKEMTPVEAAPAFAELIHLRAVQTRPAAEKEE 448

Qy 394 RLQIREDEBEGEKGSEQEQLSSRQDGAQYQ-----HPLALLPS-----G 429

Db 449 RLKRVRMSEEGE-----DGPSSPPGPCHKLPPAPAMHFPDRLCWACGLRD 499

Qy 430 SYEEDPOTILODHSRVLKTPGCGQSPGVGRYSPRSRSRSPDHHQHQQCHTLLSTGGKL 489

Db 500 AHEENBESILODEHVRVLRTGROSFG-----PGRSPDSCHV-----ARM 540

Qy 490 PPVAACPQGKGSFLYKOTTK-----HVHHYIHHAHPVPTKEEIAEATORVRC 539

Db 541 PVALGGAASGHGKHWPKSGAKLDAAGLHHHRHVV--HHSTARPEQVEAATTRAQ 598

Qy 540 LCPGG3DYYCSK-----CKSHPKAEPBLPEBQFCFSRGTLPKRNAGTPEGLAISARD 594

Db 545 SYEEDPOTILODHSRVLKTPGCGQSPGVGRYSPRSRSRSPDHHQHQQCHTLLSTGGKL 489

Qy 549 SPAWGPLEPHSGHARGSGYSESYGAAPNADGLAHSQ-KVGYACKENAKKAESGKSAST-- 655

Db 559 GMSSAAGGPOLPG--BEGDRSDQDYMQMLLESRQ--SKSKPHASQISTKSPYLESARA 649

Qy 565 GMSSAAGGPOLPG--BEGDRSDQDYMQMLLESRQ--SKSKPHASQISTKSPYLESARA 649

Db 656 -----EVPGASDABQNKQMWI1EGKE1SRHRTGHSGSTRAOPHNSRP 705

Qy 650 APGRYSRHHLIGASGHRSVYARAHPTODPAMPPLTPPNTLAQLEACRRLAEVSK--- 706

Db 706 -----LSLEHPWAGPQLRTSQPSHULFIQDQTMPPHPAPNPLTQLEBARRLEEBERKAS 760

Qy 707 --PKQRCVCAVASQQRDRNHSAGQAGAASPANP-----SLAPEDIKEPKKLAVS 753

Db 761 RAPSKBRYQVEUMR-----GRACVRPACAPVNLHVPAVSDMELSETRSORKVGGG 813

Qy 754 HALQASPLVVTYFFCGBEIPYRMRMLKAQSLTIGHPKBOLSXKGNTTRYFKASDPAFGA 813

Db 814 SAQPCDSIVVAYYFCGPIPRTLVGRATLQFQFLLTTRKGSTRYFKVSDPDCGV 873

Qy 814 VPEEIWDDETYLPMYGRILGKVERID 840

Db 874 VPEEYREDEAVLPVFEKIGKVEYD 900

RESULT 9

US-10-182-936A-91

Sequence 91, Application US-10182936A.

Publication No. US2004038860A1

GENERAL INFORMATION:

APPLICANT: Alien, Kristina M.

APPLICANT: Anisowicz, Anthony

APPLICANT: Bhat, Bheem

APPLICANT: Damagnaz, Veronique

APPLICANT: Robinson, John

APPLICANT: Yaworsky, Paul

TITLE OF INVENTION: Reagents and Method for Modulating DKK-Mediated Interactions

FILE REFERENCE: 032796-143

CURRENT APPLICATION NUMBER: US-10/182,936A

CURRENT FILING DATE: 2002-08-02

PRIOR APPLICATION NUMBER: PCT/US02/15982

PRIOR FILING DATE: 2002-05-17

PRIOR APPLICATION NUMBER: US 60/291,311

PRIOR FILING DATE: 2001-05-17

PRIOR APPLICATION NUMBER: US 60/353,058

PRIOR FILING DATE: 2002-02-01

PRIOR APPLICATION NUMBER: US 60/361,293

PRIOR FILING DATE: 2002-03-04

NUMBER OF SEQ ID NOS: 216

SOFTWARE: Fast-SEQ for Windows Version 4.0

SEQ ID NO: 91

LENGTH: 900

TYPE: PRT

ORGANISM: Homo sapiens

US-10-182-936A-91

Query Match 36.1%; Score 1605; DB 4; Length 900;

Best Local Similarity 41.2%; Pred. No. 1e-104; Mismatches 248; Indels 172; Gaps 29;

Matches 382; Conservative 125; Length: 900

Db 48 DLGASFTEDAPPRPVGEGB-----LVSTDPRPASTSFCSKGKVGIKGETSTAT 97

Qy 12 DSSSFREDAPPRPVPGEBEGTPCPQSPVGKVQSTKMPVS-----SN 54

Db 98 PRSSDLDGEGEPGASAFTPPYKWAESLHSLLDDQDGLSLFRTEGADLUDPEWFA 157

Qy 114 CNGFRQMLKD0---KTRVAKAIYKRYI-ENNNSVSKQLKPATKTYRDJKKKQIGSV 169

Db 158 CTGFRKLEPCDSMEKKPLKRAYKILDINGIVSRQTKPATKSFKGCMKQJLDA 217

Qy 170 MFDQAQTEPQIYQWMEENAYQVFLTSIYLYEVRGNTYMS--NGGLSLKVLGQYLT 227

Db 218 MFDQAQTEPQIYQWMEENAYQVFLTSIYLYEVRGNTYMS--NGGLSLKVLGQYLT 277

Qy 228 LNEEENTC-----ADLKCKLUSPTVYGLSSKTLRATASVSTETAEANGPRFSKR 276

Db 278 LNEDEEWKCDQMDDEDDGRDAAPGRL-PQKULLETAAPRVSSSRVYSGRFYGSWR- 335

Qy 277 SDPVNPVYFGSGYVFAPTSANDSE--LSSDALTDSSMSMTDSSVGDGVPPYRMGSKQL 333

Db 336 -EPVNPVYNGAYALAPTSANDSEQQLSSDA--DTLSLTDSVGDGIPYPRI--RKQH 389

Qy 334 QRMHRSYKANGVSLPFLPFRPLKEMTPVEAAPAFAELISRLEKLELESRSHLS 393

Db 350 RRMQESQVNQGRVPLPFLPFRPLKEMTPVEAAPAFAELIHLRAVQTRPAAEKEE 448

Qy 394 RLQIREDEBEGEKGSEQEQLSSRQDGAQYQ-----HPLALLPS-----G 429

Db 449 RLKRVRMSEEGE-----DGPSSPPGPCHKLPPAPAMHFPDRLCWACGLRD 499

Qy 55 ARRNEDGLG-EPEGRASPDSPLTRWTKSLHSLGDQDGAYLFRTEKCDYDFTLDFWFA 113

98 PRSOLDGYEPGASASTPPYLKWAASSLHSLDDQGJSLSLPRTFLKQEGCAJLDEWFA 157 ; PRIOR APPLICATION NUMBER: US 60/290, 071 ; PRIOR FILING DATE: 2001-05-11 ;

114 CNGFRMNLKDT--KTRVAKAYKXYI-ENNSVYSKQLKPATKTYIRDGJKKKQOQSV 169 ; PRIOR APPLICATION NUMBER: US 60/291, 311 ; PRIOR FILING DATE: 2001-05-17 ;

158 CTGFRKLEPCDSNEERKLKARAIYKXYILDNNGIVSRQTKPATKSPFKGCTMKQJLDA 217 ; PRIOR APPLICATION NUMBER: US 60/353, 058 ; PRIOR FILING DATE: 2002-02-01 ;

170 MFDQAQETIQQAVNEENAYQVFLTSIVLEYVSGGENTAYMS--NGGLGSLKVLCGYLP 227 ; PRIOR APPLICATION NUMBER: US 60/361, 293 ; PRIOR FILING DATE: 2002-03-04 ;

218 MFDQAQETIQATMVENTYPSFLKSDIYLEYTRGSKTQVKGKISGYLP 277 ; SOFTWARE: FastSEQ for Windows Version 4.0 ; SEQ ID NO: 670 ;

228 LNEBEEWTC-----ADLKCKLUSPTVYGLSSKTRATASVRLTAEENGFSKR 276 ; LENGTH: 900 ;

Db 278 LNEDEEWKCDQDMDBDGDRAAPPGLR-POKLLLETPAPRVSSEKRYSSRVEFYSWR- 335 ; TYPE: PRT ; ORGANISM: Homo sapiens ; US-10-477-338A-670

Qy 277 SDFVNPNYHVGSGYVFAPATSANDSE--LSSDALTDMSMSMTDSSYDVGPPYRMGSKQL 333 ; Query Match 36.1%; Score 1605; DB 5; Length 900; ; Best Local Similarity 41.2%; Pred. No. 1e-104; ; Matches 382; Conservative 125; Mismatches 248; Indels 172; Gaps 29; ; SN 54

Db 336 -BPNPNYVNAQYALAPATSANDSEQSLSSPA--DTLSDTSDVGDIPYRI--RKQH 389 ;

Qy 334 QREMHRSVAKANGQVSLPHFPRTHLDEKMTPTVEPAFAEELISRLKLELESRHSLEE 393 ;

Db 390 RREMQEQAQVNGRVLPHIPTYRVPKEVR-VEPQKPAEELIHLRAVORTREAEKLEE 448 ;

Qy 394 RLQQIREDEEKEGSEQEQAQSSRUDGAPVQ-----G 429 ;

Db 449 RLKVRVMEEEGE-----DGDPSSGGPPGPCHKLPPAPAMWHFPPLCMTWACGLRD 499 ;

Qy 430 SYEDDPOTILDDHLSRVLKTPGCQSPCQVGRYSPRSRSPDHIIHHQOCHTLLSTGGKL 489 ;

Db 500 AHBNPSSILDDBHVRQRLRTGRQSPV-----PGHRSRPSGSV-----ARM 540 ;

Qy 490 PVAACPLGGKSFlikQTK-----HVVHHYHVVHHAVPTKTEKEIIFAEATORVRC 539 ;

Db 541 PVALGGAASGKCKHVPKSGAKLDAAGLHHHRVHHHV--RHSTARPKQVAAETRAQS 598 ;

Qy 540 LCPGGTDYCYSK-----CKSHPKAPPPLPQFQCSRGGLPKRKAKGTEPGLALSARD 594 ;

Db 599 SFWAGLEPHSHGARSRCYSESVGAAPANASDGLAHSG- KVGYACKRNAAKASGKSAST-- 655 ;

Qy 595 GCMSSAAAGGPOLPG--EGDRSDQDVWQMLLESERQ--SKSKPHSAQSTKSYPLESARA 649 ;

Db 656 -----EVGASEDAEKNQKINWVIEGEKEISRHRRTGHSSTKXPQPHENNSRP 705 ;

Qy 650 AFGERVSRHHLJGASGHSRSYSTARAHPTQDAMPPLTPNPLTAQLEFACRLEAKEYK-- 706 ;

Db 706 -----LSLEHPNAGPQLRTSYOPSHIFIQDPTMPHPAPNPLTQLEEARLLEESKRAS 760 ;

Qy 707 --POKORECVCASQQRDRNHSAGQAGASPANP-----SLAPEDHKEPKKLAVS 753 ;

Db 761 RAPSKORYVOEMRR-----GRACVRPACAPVLPHVPAVSDMELSETEVSOKVGGG 813 ;

Qy 754 HALQASELWVITYFFCGEBIPYRMLKAQSLTLGHFKEQSLSKRGNTTRYFKKASDFFACGA 813 ;

Db 814 SAQPDCSIVVAYFCGEPIPRTLVGRAVTLQFKELTKXGSTRYYFKVSDEFDCGV 873 ;

Qy 814 VFEETWDETVLPMYSGRLGKVERID 840 ;

Db 874 VFEETWDEAVLPVFEKIIKGKVERID 900 ;

RESULT 10-477-238A-670 ; Sequence 670, Publication No. US20040221326A1 ; GENERAL INFORMATION ; APPLICANT: Bodine, Peter Van Nest ; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation ; FILE REFERENCE: 032796-212 ; CURRENT APPLICATION NUMBER: US/10/477,238A ; CURRENT FILING DATE: 2003-11-10

599 SFAWGLEPHSHGARSRCYSESVGAANASDGLAHSG- KVGYACKRNAAKASGKSAST-- 655 ;

595 GCMSSAAAGGPOLPG--EGDRSDQDVWQMLLESERQ--SKSKPHSAQSTKSYPLESARA 649 ;

656 -----EVGASEDAEKNQKINWVIEGEKEISRHRRTGHSSTKXPQPHENNSRP 705 ;

650 AFGERVSRHHLJGASGHSRSYSTARAHPTQDAMPPLTPNPLTQLEEARLLEASRVAEYSK-- 706 ;

706 -----LSLEHPNAGPQLRTSYOPSHIFIQDPTMPHPAPNPLTQLEBARLLEEEKRS 760 ;

707 --PKORCCVASQQRDRNHSAGQAGASPANP-----SLAPEDHKEPKKLAVS 753

Query Match 36.1% Score 1605; DB 5; Length 900;
 Best Local Similarity 41.2% Pred. No. 1e-104; Mismatches 248; Indels 172; Gaps 29;
 Matches 382; Conservative 125;

Db 761 RAPSQKRYVOEYNNR-----GRACYRPACAPVLYPAVSDMEISSETETRSQRKVGG 813
 Qy 754 HALOASELVLVTFYFCGEIPIYRMLKAGSLTIGHFKEQSLSKGGNYRYFKKASDEPAGA 813
 Db 811.4 SAQPCDSVIVAYFCGEIPIYRMLTGRGAVTLGQFKELTLTKGSYRYFKKVSDEPDCGV 873
 Qy 811.4 VFFEIWDETEVLPMEYGRILGKVERID 840
 Db 874 VFEEVREDEAVLPVFEKILGKVERID 900

RESULT 61
 US-10-680-287A-670
 Sequence 670, Application US1010680287A
 Publication No. US20040244069A1
 GENERAL INFORMATION:
 APPLICANT: Babij, Philip
 APPLICANT: Baworsky, Paul
 APPLICANT: Bax, Frederick J. III
 APPLICANT: Bodine, Peter Van Nest
 TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
 FILE REFERENCE: 031796-179
 CURRENT APPLICATION NUMBER: US/10/680,287A
 CURRENT FILING DATE: 2003-10-08
 PRIOR APPLICATION NUMBER: PCT/US02/14816
 PRIOR FILING DATE: 2002-05-13
 PRIOR APPLICATION NUMBER: US 60/290,071
 PRIOR FILING DATE: 2001-05-11
 PRIOR APPLICATION NUMBER: US 60/291,311
 PRIOR FILING DATE: 2001-05-17
 PRIOR APPLICATION NUMBER: US 60/353,058
 PRIOR FILING DATE: 2002-02-01
 PRIOR APPLICATION NUMBER: US 60/361,293
 PRIOR FILING DATE: 2002-03-04
 NUMBER OF SEQ ID NOS: 812
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 670
 LENGTH: 900
 TYPE: PRT
 ORGANISM: Homo sapiens

us-10-680-287A-670

Query Match 36.1% Score 1605; DB 5; Length 900;
 Best Local Similarity 41.2% Pred. No. 1e-104; Mismatches 248; Indels 172; Gaps 29;
 Matches 382; Conservative 125;

Db 1.2 DPSSSFEDAPRPPVPGBGETPPCQPPSVGRVQSTKMPVS-----SN 54
 Qy 48 DLGASFTEFDAPRPPVPGEGE-----LVSTDPRPASYSFCSGKGVGKGETSTAT 97

Db 5.5 ARRNEDEGIG-EPEGRASPDSPSLTRWTKSLHSLGDPDCAYLFRFTFLEREKCYDTDLDFWFA 113
 Qy 9.8 PRSSDLQDGYEPGSSASPPYKWAELSLSDQDQGISLPRFTFLQEGADLDFWFA 157

Db 11.4 CNGFRQMNLLKDT --KTRVAKAIKYKWI-ENNSVYSKQLKPAKTYIRDGKIKQOIGSV 169
 Db 15.8 CTSFRKLSPCDSNEMEKKRILKARYKILDNGIVRQTKPATKSKIGCIMKQLDPA 217
 Qy 17.0 MFDQAQTEIQAVMNEAQVFLTSDIVLYVRSGGENTAYMS--NGGILSKLVLCGYLPT 227
 Db 21.8 MFDQAQTEQATMBENTPSFLKSDIVLYTRGSESPKVCSQDQSSSGTGGKISGYLPT 277
 Qy 22.8 LNREBEEWTC-----ADLICKLSPVYGLSSKTLRATASVSTETABNGERSFKR 276
 Db 22.8 LNDEBEEWRCDDQMDDEDDGRDAAAPGRL-PQKLLETAAPRVUSSRRYSEGREFRYSWR- 335

Qy 22.77 SDPYNPVPYVGSGYVFAPATSDNSE--LSSDALTDSSMSMTDSSVYDGVPPYRMGSKQL 333
 Qy 22.77 ORG: Homo sapiens
 Db 33.6 -EPVNPYVYNAQYALAPTSANDSEQLSSDA--DTSLSLTDSVYDGPYPRRI--RKQH 389

Qy 33.4 QRMHRSYKANGOVSLPAPPTRLPKEMTPYBPAFAABELSRLLEKLELESRSLES 393
 Db 33.4 Best Local Similarity 41.2% Pred. No. 1e-104;

RESULT 12
 US-10-477-173-670
 Sequence 670, Application US10477173
 Publication No. US2005001069A1
 GENERAL INFORMATION:
 APPLICANT: Genome Therapeutics Corporation and
 APPLICANT: Allien, Kristina M.
 APPLICANT: Yaworsky, Paul
 APPLICANT: Morales, Arturo J.
 APPLICANT: Graham, James R.
 APPLICANT: Anisovicz, Anthony
 APPLICANT: Liu, Wei
 TITLE OF INVENTION: HBM Variants that Modulate Bone Mass and Lipid Levels
 FILE REFERENCE: 032796-135
 CURRENT APPLICATION NUMBER: US10/477,173
 CURRENT FILING DATE: 2003-11-10
 PRIOR APPLICATION NUMBER: US 60/290,071
 PRIOR FILING DATE: 2003-05-11
 PRIOR APPLICATION NUMBER: US 60/291,311
 PRIOR FILING DATE: 2001-05-17
 PRIOR APPLICATION NUMBER: US 60/353,058
 PRIOR FILING DATE: 2002-02-01
 NUMBER OF SEQ ID NOS: 1086
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 670
 LENGTH: 900
 TYPE: PRT
 ORGANISM: Homo sapiens

us-10-477-173-670

Matches 382; Conservative 125; Mismatches 248; Indels 172; Gaps 29; ; APPLICANT: O'Toole, Margot
 Qy 1.2 DPGSSFREDAPRPPVPGEGETPPCQPSVGVQSTREMPVS-----SN 54 ; APPLICANT: Liu, Wei
 Db 4.8 DLGASFIEDAPRPPVPGEGE-----LVTSDPRPASYSFCSGKGVG1KGETSTAT 97 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
 Qy 5.5 ARRNEGDIG -EPEGRASPDSPSLTRWTKSLHSLLGDPGAYLFRFTFLERKCVDTLDFWFA 113 ; DISORDERS
 Db 9.8 PRSDLDIGYEPGASASPTPLKWAISLHSLLDDGIGSLFRFTFLQEGADLJDFWFA 157 ; FILE REFERENCE: 031896-03000 (AM101331L)
 Qy 11.4 CNGFRQNLKDT --KTRVAKAIKYKVI-ENNSVSKQLPKATVYIRDGKIKKQOIGSV 169 ; CURRENT FILING DATE: 2004-02-26
 Db 15.8 CTGFRKLEPCDSNEEKRKLLKAFAYKXILDNGIVSROTAKPATSKFICGCTMKQJIDPA 217 ; NUMBER OF SEQ ID NOS: 21135
 Qy 17.0 MFDQAQTEIQIAWMEENAYQVFLTSIVLEYRSGGENTAVS -NGGLGSLKVLGCGYLT 227 ; SOFTWARE: PatentIn version 3.2
 Db 21.8 MFDQAQTEIQATMEENTYPSFLKSDIYLEYTRTGSESPKVCSDOSSGSGTKGKISGYLT 277 ; SEQ ID NO: 34
 Qy 22.8 LNBEBENTC-----ADLKCKLPLSTVGLSSKTRATASVRSSTETAEENGPRFSKCR 276 ; LENGTH: 461
 Db 27.8 LNDEEIKCDQMDDEDDGDAAPPGRL -PKQULLTETAPRVSRRYSEGREFRGSWR- 335 ; Pairs: 56; Mismatches: 82; Indels: 56; Gaps: 12;
 Qy 27.7 SDPVNPYHGSGYVAPATSANDSE --LSSDALTDSSMSMTDSSYDGVPPYRMGSKKQL 333 ; Best Local Similarity: 50.5%; Pred. No. 2.9e-52;
 Db 33.6 -EPVNPyYVNAQYALAPATSANDSEQQLSSDA --DTLSLSTDSSVDPYPRYI -RQH 389 ; Matches: 192; Conservative: 50; Mismatches: 82; Indels: 56; Gaps: 12;
 Qy 33.4 QREMHRSVKANGQVSLPHFRPTHLKEMTPVTPAPAFANLISRELKKELEBSRHSLEE 393 ; Query Match: 19.3%; Score: 860; DB: 4;
 Db 39.0 RREMQESEAQVNGRVLPHIPTPYRVPKEVR -VEPQKFAEELIHRLEAVQTREABKELEE 448 ; Best Local Similarity: 50.5%; Pred. No. 2.9e-52;
 Qy 39.4 RLQQUIREDEEKEGSEQEQLSSRDRGAPVQ-----HPLALPLPS-----G 429 ; Matches: 192; Conservative: 50; Mismatches: 82; Indels: 56; Gaps: 12;
 Db 44.9 RLRVTRMEEFEG-----DGDPSGPPGPPGKLPAPAWHIFPPRLCTWACGLRD 499 ; Query Match: 19.3%; Score: 860; DB: 4;
 Qy 43.0 SYBEDPOTLDDHLSRVLKTPGCOSPGVGRYSPRSRSPDHMHQHQQCHTLTGSTGKL 489 ; Best Local Similarity: 50.5%; Pred. No. 2.9e-52;
 Db 50.0 AHEENPESLDBHVRQVRTRTGRQSPG-----PGHRSPTGSHV-----AKM 540 ; Matches: 192; Conservative: 50; Mismatches: 82; Indels: 56; Gaps: 12;
 Qy 49.0 PVAAPAPLGLGSKFLTKQTTR-----WVHHHYIHHHHAVPKTKKELEATATORVRC 539 ; Query Match: 19.3%; Score: 860; DB: 4;
 Db 54.1 PVALGGRASGKGKHPGKSAKLDAAGLHHRVHHV -IHSTARPKPEQVAEATRAQS 598 ; Best Local Similarity: 50.5%; Pred. No. 2.9e-52;
 Qy 54.0 LCPGGTDYCYTSK-----CKSHPKAPBPLPBPQFCGSRGTLPKRNAGKTPGGLALSARD 594 ; Matches: 192; Conservative: 50; Mismatches: 82; Indels: 56; Gaps: 12;
 Db 59.9 SFANGLEPHSGARSQGYSSESSVGAAPNNSDCLHSG -KVGYACRBNRANKADEGSKSAST-- 655 ; Query Match: 19.3%; Score: 860; DB: 4;
 Qy 59.5 GGMSAAAGGPOLPG --EGDRSDQYDWMWLESRQ --SKSKPHSAQSIRKSYPLESARA 649 ; Best Local Similarity: 50.5%; Pred. No. 2.9e-52;
 Db 65.6 -----EVPGASBDAEKNQK1M0W1LGEKEISRHRTRGHSSGTRPKQPHENSRP 705 ; Matches: 192; Conservative: 50; Mismatches: 82; Indels: 56; Gaps: 12;
 Qy 65.0 ARGERVSRHHLGAGSHRSRSVARAHFPTDAMPBLTPNTLAQFACPLAEVSK----- 706 ; Query Match: 19.3%; Score: 860; DB: 4;
 Db 70.6 -----LSLEIPWAGPQLRTSQPSHLFIOPTMPPHPAPNPLTQEARRRLEREKRS 760 ; Best Local Similarity: 50.5%; Pred. No. 2.9e-52;
 Qy 70.7 --POKORCYTASQQRDRNHSAGQGASPTANP-----SLAPDHEKPKKLAVS 753 ; Matches: 192; Conservative: 50; Mismatches: 82; Indels: 56; Gaps: 12;
 Db 76.1 RAPSICQRYQEVMR-----GRACVPRACAPLHVDAVSDMELSETPSQPKVGG 813 ; Query Match: 19.3%; Score: 860; DB: 4;
 Qy 75.4 HALQASELWVYTFCCGEEPIPYRMILKAQSLTGHFKEQSLSKKGNTYRYPKASDEFACGA 813 ; Best Local Similarity: 50.5%; Pred. No. 2.9e-52;
 Db 81.4 SAQPCDSIVVAYYFCGEPIPATLVRGRAVTLQFKEKSVSDFDCGV 873 ; Matches: 192; Conservative: 50; Mismatches: 82; Indels: 56; Gaps: 12;
 Qy 81.4 VFEELWDDETUJPMYEGRLGKVERID 840 ; Query Match: 19.3%; Score: 860; DB: 4;
 Db 87.4 VFBEEVREDEAVLPVFEEKIGKVERID 900 ; Best Local Similarity: 50.5%; Pred. No. 2.9e-52;

RESULT 14
 US-10-106-698-5828
 Sequence 5.828, Application US/10106698
 Publication No. US20030109690A1
 GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptid
 FILE REFERENCE: PA005P1
 CURRENT APPLICATION NUMBER: US/10/106,698
 CURRENT FILING DATE: 2003-03-27
 PRIOR APPLICATION NUMBER: PCT/US00/26524
 PRIOR FILING DATE: 2000-09-28
 PRIOR APPLICATION NUMBER: US 60/157,137
 PRIOR FILING DATE: 1999-09-29
 PRIOR APPLICATION NUMBER: US 60/163,280
 NUMBER OF SEQ ID NOS: 8564
 SOFTWARE: PatentIn Ver. 3.0
 SEQ ID NO: 5528
 LENGTH: 155
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: MISC_FEATURE
 LOCATION: (5)

RESULT 15
 US-10-786-720-34
 Sequence 34, Application US/10786720
 Publication No. US20040191818A1
 GENERAL INFORMATION:
 APPLICANT: Wyeth

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: MISC FEATURE
 LOCATION: (7) OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: MISC FEATURE
 LOCATION: (12) OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: MISC FEATURE
 LOCATION: (12) OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 US-10-106-698-5828

Query Match 16.5%; Score 733; DB 4; Length 155;
 Best Local Similarity 90.8%; Pred. No. 6.4e-44; Indels 0; Gaps 0;
 Matches 139; Conservative 3; Mismatches 11; Indels 0; Gaps 0;

Qy 688 PNTLAQLEAACRRLAEVSKPKQRCCVAASQQRDRNHSAGAGASPLAPEDHKEP 747
 Db 3 PTXWQXQLEEXCRRLAEVSKPKQRCCVAASQQRDRNHSAGAGASPLAPEDHKEP 62

Qy 748 KKLASVHALQASLVELVTTFFCCBEIIPYRMKIAQSLTGHKEQLSKKGNYRYYFKA 807
 Db 63 KKLAGVHALQASLVELVTTFFCCBEIIPYRMKIAQSLTGHKEQLSKKGNYRYYFKA 122

Qy 808 EFAGGAAFEETWDDETVLPMEGRILGKVERID 840
 Db 123 EFAGGAAFEETWDDETVLPMEGRILGKVERID 155

RESULT 15
 US-11-097-143-3-015
 ; Sequence 3015, Application US/11097143
 ; Publication No. US20050208558A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Venter, J. Craig
 ; APPLICANT: et al.
 ; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
 ; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
 ; TITLE OF INVENTION: DROSOPHILA GENES.
 ; FILE REFERENCE: C10007228
 ; CURRENT APPLICATION NUMBER: US/11/097,143
 ; CURRENT FILING DATE: 2005-04-04
 ; PRIOR APPLICATION NUMBER: 60/157,832
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: 60/160,191
 ; PRIOR FILING DATE: 1999-10-19
 ; PRIOR APPLICATION NUMBER: 60/161,932
 ; PRIOR FILING DATE: 1999-10-28
 ; PRIOR APPLICATION NUMBER: 60/164,769
 ; PRIOR FILING DATE: 1999-11-12
 ; PRIOR APPLICATION NUMBER: 60/173,383
 ; PRIOR FILING DATE: 1999-12-28
 ; PRIOR APPLICATION NUMBER: 60/175,693
 ; PRIOR APPLICATION NUMBER: 60/184,831
 ; PRIOR FILING DATE: 2000-01-12
 ; PRIOR APPLICATION NUMBER: 60/191,637
 ; PRIOR FILING DATE: 2000-03-23
 ; NUMBER OF SEQ ID NOS: 43008
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 3015
 ; LENGTH: 745
 ; ORGANISM: DROSOPHILA
 ; TYPE: PRT
 ; US-11-097-143-3-015

Query Match 10.3%; Score 457.5; DB 6; Length 745;
 Best Local Similarity 22.2%; Pred. No. 2.2e-23; Indels 341; Gaps 39;
 Matches 215; Mismatches 125;

Qy 13 PSSSFRED----APRPPVPGEEGETPPCQPSVGVQSTKPEMPVSSNARRNEDGI/GEPEG 67
 Db 5 PSSGIRKHDDNECSGPRPPVPGEE-----SRVKTMTGVAITSK 42

Search completed: April 20, 2006, 16:06:42
 Job time : 295.821 secs

Qy 68 RASPDSPPLTRWTKS1HSLLGDQDGAYLFRITPLERKCV--DTLDFWFACNGFRQMNLDKT 125
 Db 43 NSSPS - YLWARTLHLLERDGDYFLFKYVEEAPAYNDHNFYFACEGLKQQT-DPS 99
 Qy 126 KTLRYAKA1YKRYIENNSVSKQLPKATVYIRDGKQ--QIGSVMFDOAQTEIQAVM 182
 Db 100 KIKQITAGYRFLRSLSDDLAQIK---ALKTNPEPLSPHIFDPMQRHVEVTI 154
 Qy 183 BENAYQVFLTSDIYLEYVR-----SG--GENTAYMSNGGUGSLSKVLCGYLPLTLN 229
 Db 155 RDN1YPTELCSEMMYLIOQMSAQERCCTSGATSGSAGSSGSSSLAGACALPPTA 214
 Qy 230 EEEB-----WTCADLKKLSPPTVVGSSKTRATASURSTE 265
 Db 215 SGKQQLPQLVPPGAFITNLPVSSVSGPPAGTCSSASSVYGSTSASSGGTSATDTPRSS 274
 Qy 266 T-----AENG-----FRESPKRD 278
 Db 275 TLPTLHEDSVLSLCDDPFKYMQOBEGGSLSGSVAGARADPYRPLTRDILLIAQKRL 334
 Qy 279 PVNPYTHVGSGYVFPAT-----SANDSE--LSSDALTD-DSMSMTDSSVDPVPPYR 326
 Db 335 EIRP - PGAHEXYNNTTNTSYVPNSRVDSERAVSSGGRTDSDMSISSCSMDRSPYIQ 393
 Qy 327 MGSKKOLQREMHSYKANGQV-SLDPHPRTHL-PKEMTPVPAFAEELISRLKLLKLE 384
 Db 394 RRHSSTESKAIROSAMANKETNTFFQVPIRTOHLNEHPLKEEVLSSULIPKLB---E 449
 Qy 385 LESRHSLEERLQQ-----IREDEEXEGESEBALSRSRDGAQVQHPALLPQGSYBDDPQTI 438
 Db 450 VKRKEDLEERARERNGAALLTNERSASDRAFA---AIREKPA-----DEONDQDI 500
 Qy 439 LDDHHSRVLKTPGCCQSPGVGRSPRSRSPDHHHHQOCHTLUSTGGKLPPVAAQPLI 498
 Db 501 LDQHHSRWRKD---ORP-----HRSP-----523
 Qy 499 GGKSPLTQTKVHVVHYYHAPKTKERIEAATQYVRCLCPGCTDYYCYSKCKSHPK 558
 Db 524 -----CP-----CP-----525
 Qy 559 APBPPLPGEQFCGSRGEGTLPKRNAKGTEPGLALSARDGMMSAAGGPQLPGEEGDERSQDVW 618
 Db 526 ---PIP-----SRRT-----ATHSGKVS-DGAMLSLG-----550
 Qy 619 QWMLSERQSKSKP-HSAQGTRKSYPLESARAAPG-----ERVRHHILGASGHRSVSA 671
 Db 551 ---HSMKHSKSKMPHSSCRKLTKWPSNNTDSGISMFSADTVTKYK--DASSSSGS-- 602
 Qy 672 RAHPPTQDPMAPPPLTPPNTLAQLBACRRLAEVSKPKQKORCCV-----ASQQRDRNHS 725
 Db 603 -----STATSKLEAKRRLED--BPRRSRYAQPPMWHISQQPASFSS 643
 Qy 726 AGQRAGASPPANPSLAPEDHKEPKKLAVHALQASELVLVYPPCGEBIPYRMLKQASLTL 785
 Db 644 SSSGGSIISL-----PHQPPPLA-----KPPETIVVFSFCBPPVTKIKPQTQPTL 690
 Qy 786 GHFKBQSLSKKGNYRYTFKRSASDEFCGAVPEIWDETULPMYGRILGKVERID 840
 Db 691 RQPKDYLPRRGHPRFFKTHCDPDPSPVQIEVNNDSDILPLFGSKAMGLVPKSD 745

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OM protein - protein search, using sw model

Run on: April 20, 2006, 16:00:23 ; Search time 46.5435 Seconds
(without alignments)
794.148 Million cell updates/sec

Perfect score: 4445

Sequence: 1 MSSAVLVTLLPDBSSFFRED.....DETVLPMYEGRLLGKVBRID 840

Scoring table: BL0SUN62

Gapop 10.0 ; Gapext 0.5

Searched: 225428 seqs, 44002918 residues

Total number of hits satisfying chosen parameters: 225428

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published_Applications_AA_New:
1: /SIDSS5/ptodata/2/pubpa/us08_NEW_PUB_PEP:
2: /SIDSS5/ptodata/2/pubpa/us06_NEW_PUB_PEP:
3: /SIDSS5/ptodata/2/pubpa/us07_NEW_PUB_PEP:
4: /SIDSS5/ptodata/2/pubpa/pct_new_PUB_PEP:
5: /SIDSS5/ptodata/2/pubpa/us05_NEW_PUB_PEP:
6: /SIDSS5/ptodata/2/pubpa/us10_NEW_PUB_PEP:
7: /SIDSS5/ptodata/2/pubpa/us11_NEW_PUB_PEP:
8: /SIDSS5/ptodata/2/pubpa/us60_NEW_PUB_PEP:
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	No.	Score	Query	Match	Length	DB	ID	Description
1	1605	36.1	900	6	US-10-501-035-215	Sequence 215, App		Sequence 215, App
2	172.5	3.9	211	6	US-10-501-035-208	Sequence 208, App		Sequence 208, App
3	172.5	3.9	211	6	US-11-169-041-234	Sequence 234, App		Sequence 234, App
4	151.5	3.4	1618	6	US-10-984-445-2	Sequence 2, Appl		Sequence 2, Appl
5	151.5	3.4	1618	7	US-11-132-687-2	Sequence 2, Appl		Sequence 2, Appl
6	149	3.4	2505	7	US-11-126-213-3	Sequence 33, Appl		Sequence 33, Appl
7	148	3.3	496	7	US-11-096-168A-29371	Sequence 29371, A		Sequence 29371, A
8	148	3.3	548	7	US-11-096-168A-29370	Sequence 29370, A		Sequence 29370, A
9	148	3.3	684	7	US-11-096-1568A-29369	Sequence 29369, A		Sequence 29369, A
10	147.5	3.3	578	6	US-10-821-234-1039	Sequence 1039, App		Sequence 1039, App
11	139	3.1	2392	6	US-10-330-773-307	Sequence 907, App		Sequence 907, App
12	138.5	3.1	1690	6	US-10-304-773-389	Sequence 389, App		Sequence 389, App
13	138	3.1	2311	6	US-10-469-469-54	Sequence 54, Appl		Sequence 54, Appl
14	137	3.1	748	6	US-10-821-234-188	Sequence 888, App		Sequence 888, App
15	136.5	3.1	880	7	US-11-099-561-1000	Sequence 950, App		Sequence 950, App
16	136.5	3.1	8746	7	US-11-098-086-10232	Sequence 10232, A		Sequence 10232, A
17	130	2.9	1134	6	US-10-204-639-11	Sequence 11, App1		Sequence 11, App1
18	128	2.9	717	7	US-11-121-448-10	Sequence 10, App1		Sequence 10, App1
19	128	2.9	915	6	US-10-995-561-1003	Sequence 1003, App		Sequence 1003, App
20	128	2.9	917	6	US-10-995-561-1000	Sequence 1000, App		Sequence 1000, App
21	128	2.9	940	6	US-10-995-561-1004	Sequence 1004, App		Sequence 1004, App
22	128	2.9	969	6	US-10-995-561-1001	Sequence 1001, App		Sequence 1001, App
23	128	2.9	971	6	US-10-995-561-998	Sequence 998, App		Sequence 998, App
24	128	2.9	994	6	US-10-995-561-997	Sequence 997, App		Sequence 997, App
25	128	2.9	2343	6	US-10-330-773-904	Sequence 904, App		Sequence 904, App

ALIGNMENTS

RESULT 1 US-10-501-035-215	Sequence 215, Application US/10501035
	; Publication No. US20060046249A1
	; GENERAL INFORMATION:
	; APPLICANT: Bristol-Myers Squibb Company
	; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTING TITLE OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE PATHWAYS
	; FILE REFERENCE: D1185 PCT
	; CURRENT APPLICATION NUMBER: US/10/501,035
	; PRIORITY APPLICATION NUMBER: US 2004-07-09
	; PRIORITY FILING DATE: 2004-07-09
	; NUMBER OF SEQ ID NOS: 795
	; SEQ ID NO: 215
	; SOFTWARE: Patentin version 3.2
	; LENGTH: 900
	; TYPE: PRT
	; ORGANISM: Homo sapiens
	; US-10-501-035-215
	Query Match 36.1%; Score 1605; DB 6; Length 900;
	Best Local Similarity 41.2%; Pred. No. 2.2e-107;
	Matches 382; Conservative 125; Mismatches 248; Indels 172; Gaps 29;
Qy	12 DPSSSFREDAAPRPPVPGEGETPPCQPSVKGVKQSTKPKMVS-----SN 54
Db	48 DLGASFTEDAPRPPVGESE-----LVSTDPRPASYSFSSKGKGVKGETSTAT 97
Qy	55 ARRNDGLG-EPEGRASPDSPSPLTWKTSLSLGHQDGAYLFRTEKCVDTLDFWFA 113
Db	98 PRRSDLDLGYPBEGASPTPPYKMAESLHSLLDQDGSFLRTLKQEGCADLDFWFA 157
Qy	114 CNGFRQMLKDT--KTRVAKALYKRYI-ENNSVVSQKPKATYIRDGKIKQIGSV 169
Db	158 CTGFRKLEPCDSNEBKRLKLAARYKYLDDNGVVSQRTKPKATPSFIKGCMQLIDPA 217
Qy	228 LNREFEWTC-----ADLKCKLSPTVVGLSKTLRATSVSTETAGFRSFRK 276
Db	278 LNEDENWKCQDDMDDGGRDAAPPGRL-PQKLLETTAAVRVSSRRSREPFGWSR- 335
Qy	277 SDPNPYHVGSGYVFPATPSANDSE--LSSDALTDMSMSMTDSSVGYPYRMGSKQL 333

Db 336 -EPVNPPVYNAGYALAPATSANDSEQQLSSDA-- -DTLSTDSSVGIPPYRI-- -RKQH 3.89
 Qy 334 QRENHRSVXANGQVSLPHEPRTIRLPKEMTPVEPAFAELISRLKEKLEFSRSHLE 3.93
 Db 390 RREMQEASAQVNGRVLPLPPIRTPVKEVR- -VEPQKFAELTHLRAVEEKEE 4.48
 Qy 394 RLOCQIREDEBEKEGSEQALSSRQDAPVQ-----G 4.29
 Db 449 RLKRVRMEEGE-----DGPSSGPPGPCKHLKPAPANHFPFPRLCWYWACGLRD 4.99
 Qy 430 SYBEDPORTLDDHLSRVLKTPGCCSPGTYSPRSRSPDHRRHHOCQHTLLSTGGKL 4.89
 Db 500 AHEENPESILDEHQVRVIRTTGQSPG-----ARM 5.40
 Qy 490 PPyAACPLIGGKSLTQTKTK-----HVVHHYVHHHAVPKTKRETEAELATORVRC 5.39
 Db 541 PVALGGAAAGHGHKHPVKGSAKLDAGLHHHRHHHV- -HHSTARPKQVEABATRQS 5.98
 Qy 540 LCPGGTDTYCYSK-----CKSHPKAEPALPQFCGSGGGTLPKRNAGKTERPQALSLARD 5.94
 Db 599 SFWGLKLEPHSGARSRG1SESVGAAPNNSDGLAHSG- -KVGVACKRNAAKKAESKSAST-- 6.55
 Qy 595 GGMSAAAGCQPLQPG- -EGGDRSDQDWQWNLLESRQ-- -SKSKRHSQAQTRKSYPLESARA 6.49
 Db 656 -----EVGAASEDAEKNQKIMONIIGEKEISHHRTGHSSTRKQPHENSRP 7.05
 Qy 650 AGPERSVSHHLGAGSHRSRVAADAHPTQDPMPLPTPNTLAQLEEECRRIAEVSK-- 7.06
 Db 706 -----LSEHPWPAGPLQITSVQSHLHFQDPTMPHPPAPNPLTQLEARRDEEEGRAS 7.60
 Qy 707 -PQKORCCVASQDRNHSAAQAGASPFANP-----SLAEDHKEPKKLALSV 7.53
 Db 761 RAPSQRYVQEYNNR-----GRACVPACAPVLHVPVPAVSDMELSETETTSQRKVGG 8.13
 Qy 754 HALQASELWVTTYPCGBETPYRMLKASLTLGHFKQSLSKKNCNRYFFKASDEPAGA 8.13
 Db 8114 SAQPCDSIVVAYFCGEPYPTVGRGAVTLQFQKELLTKGSSYRTYFKVSVDEFTGCV 8.73
 Qy 814 VFFEWIDDETLYMEEGRILGKYERID 8.40
 Db 874 VFFEVREDAVLVPEEKFLIGKVEKD 9.00

RESULT 2
 US-10-301-005-208
 ; Sequence 208, Application US/10501035
 ; Publication No. US20060046249A1

GENERAL INFORMATION:
 ; APPLICANT: Bristol Myers Squibb Company
 ; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTING
 ; TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE
 ; FILE REFERENCE: D0185 PCT
 ; CURRENT FILING DATE: 2004-07-09
 ; PRIOR APPLICATION NUMBER: US 60/350, 061
 ; PRIOR FILING DATE: 2002-01-18
 ; NUMBER OF SEQ ID NOS: 795
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 208
 ; LENGTH: 211
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-301-035-208

Query Match 3.9%; Score 172.5; DB 6; Length 211;
 Best Local Similarity 26.9%; Prod. No. 3.9e-05; Mismatches 24; Gaps 4;
 Matches 46; Conservative 24; Gaps 29; Indels 29; Gaps 4;
 Qy 30 EGETPPCCOPSPVGVQKS-----TKMPVSSNARRNDGLGEPEGRASPDPLTRWTKSLHSL 8.5
 Db 50 QNSSTPGKFTGKSKQOAFKPSPEAQ-----WSEAFDEL 8.7
 Qy 86 LGDQGAVLFRTPLEKRECCVDTLDFWFACTNGFQROMNLKDTKTLRVAKAYKRYTENNSVV 14.5
 Db 88 LASRYGLAAFRAFKSEFCEBENTEFWLAQKRVYSLMENNNSYPRFLESEFY 14.6
 Qy 146 SKQKLPATKTYIRDGIKQQIGSMFDAQTEQAVMSENAQVFLTSQIY 14.6
 Db 147 EINIDFQTKTLIAONI--QEATSGCFTTAQKRVYSLMENNNSYPRFLESEFY 19.5

RESULT 3
 US-11-169-041-234
 ; Sequence 234, Application US/11169041
 ; Publication No. US20060019284A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bristol Myers Squibb Company
 ; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES FOR PREDICTING ACTIVITY OF
 ; COMPOUNDS THAT INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE
 ; KINASES AND/OR PROTEIN TYROSINE KINASE PATHWAYS IN LUNG CANCER
 ; TITLE OF INVENTION: CELLS
 ; FILE REFERENCE: 10001 NP
 ; CURRENT APPLICATION NUMBER: US/11/169, 041
 ; CURRENT FILING DATE: 2005-06-28
 ; PRIOR APPLICATION NUMBER: 60/584, 405
 ; PRIOR FILING DATE: 2004-06-30
 ; NUMBER OF SEQ ID NOS: 527
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 234
 ; LENGTH: 211
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-11-169-041-234
 Query Match 3.9%; Score 172.5; DB 7; Length 211;
 Best Local Similarity 26.9%; Prod. No. 3.9e-05; Mismatches 24; Gaps 4;
 Matches 46; Conservative 24; Gaps 29; Indels 29; Gaps 4;
 Qy 30 EGETPPCCOPSPVGVQKS-----TKMPVSSNARRNDGLGEPEGRASPDPLTRWTKSLHSL 8.5
 Db 50 QNSSTPGKFTGKSKQOAFKPSPEAQ-----WSEAFDEL 8.7
 Qy 86 LGDQGAVLFRTPLEKRECCVDTLDFWFACTNGFQROMNLKDTKTLRVAKAYKRYTENNSVV 14.5
 Db 88 LASRYGLAAFRAFKSEFCEBENTEFWLAQKRVYSLMENNNSYPRFLESEFY 14.6
 Qy 146 SKQKLPATKTYIRDGIKQQIGSMFDAQTEQAVMSENAQVFLTSQIY 14.6
 Db 147 EINIDFQTKTLIAONI--QEATSGCFTTAQKRVYSLMENNNSYPRFLESEFY 19.5

RESULT 4
 US-10-384-645-2
 ; Sequence 2, Application US/10984645
 ; Publication No. US20050244386A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Habener, Joel
 ; APPLICANT: Zalewski, Hendrik
 ; APPLICANT: Abraham, Elizabeth
 ; APPLICANT: Vallejo, Mario
 ; TITLE OF INVENTION: METHOD OF TRANSPLANTING IN A MAMMAL AND TREATING DIABETES MELLITUS
 ; TITLE OF INVENTION: BY ADMINISTERING A PSEUDO-ISLET LIKE AGGREGATE DIFFERENTIATED
 ; TITLE OF INVENTION: A NESTIN-POSITIVE PANCREATIC STEM CELL
 ; FILE REFERENCE: 3284/1223
 ; CURRENT APPLICATION NUMBER: US/10/984, 645
 ; CURRENT FILING DATE: 2004-11-09
 ; PRIOR APPLICATION NUMBER: US 09/721, 255
 ; PRIOR FILING DATE: 2000-12-06
 ; PRIOR APPLICATION NUMBER: US 60/169, 082
 ; PRIOR FILING DATE: 1999-12-06
 ; PRIOR APPLICATION NUMBER: US 60/215, 109
 ; PRIOR FILING DATE: 2000-06-28
 ; PRIOR APPLICATION NUMBER: US 60/239, 880
 ; PRIOR FILING DATE: 2000-10-06
 ; NUMBER OF SEQ ID NOS: 55

Software: PatentIn version 3.2
 SEQ ID NO 2
 LENGTH: 1618
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-984-645-2

Query Match 3.4%: Score 151.5; DB 6; Length 1618;
 Best Local Similarity 19.4%; Pred. No. 0.023; Matches 180; Conservative 108; Mismatches 333; Indels 309; Gaps 42;

21 APPRPPVPE-EGSTPP--COPSVKVQSTKPM----PVSSNARRNBDG 61
 395 ASPAVDDEIRAIQADAPSLLQTOGGRKQAPEPLRAEARVAIPASVPLCPBEEFGQROEAS 454

62 LGB-PEGASPDSPLTWKTSLSLQDQGAYLFRT----FLEREKCVDTLD 109
 455 TGOSPEDASLAPLSPHSSLBAKDOBEGGSRVSFCTRGEBGQIWGLVEKETATEBG-- 512

110 FWFACANGFRQMLNLDKTKLVRVAKAIKYIENNNTISKQLKPATKTYIRDGJKKKQQIGSV 169
 513 -----KVSSLQQEIWEEEDLNKEIIDSQVPLKETELK--SUGEE 551

170 MFDQAAQTQIAYMBENAYQVF-----LTSDTIYVRS-----GENT 207
 552 IQESLKT---LENOSHETLERENQCPRLSLED--LETLSLEKENKRAIKGCGGSET 604

208 AYMSNGGIGSLKVLCGYLPTLNEEEWTCADLK--CKLSPPTVVG-LSKSLTRATASVRS 263
 605 -----SRKGCRQKPTGKEDTDLQSLQKENBLMKSLEGNNBTFLPGTENQEL 655

264 TETAENGRFSF---KRSDPNPVPHVGSGYFAPATSANDSELSSDALTD---- 310

656 VSSLQENLSTALEKNEQPLRSPVEYDDEALRPLTKENQPLRS--LEDENKEAFRSL 713
 311 -----SMNTDSSVGDVPPYRMGSKQLO----REMHRSVKN 344

714 EKENOEPKTLBEEQDSI--VRPLETENHKSLRSLEEQDQETLRTLEKETQRRSISQE 771
 345 GOVSLPHPRTHLKPMTVPEAAELISR-----LEKLUKE-LESRHSLSER 394
 772 DQMTL-----RPPKEVDEPLPLKSLDQETARPLNENQEFLSLKESVBAKSLETE 823

395 LQQUIREDEKEGSEQALSRDGAQVQHPLAALPSGSYEDPQ--TILDDHLSRVLKT 449
 824 ILESLKSAQENLETLSKPETOAQLWTPPEEINKSGENESSRKGNSRTTGVCGSSEPRDQT 883

450 PGCQSPGV---GRYSPR---SSRSPDHHOH-----HHQQCHTLLSTGKLP 490
 884 PGRGESSIONLSMPEGEFELSRGYKDSQRNLLEENLGKGEYOBLSLSEBQELP 943

491 PVA-----ACPLIGG-----KSFLTKQTTKHVHHHYIH 518
 94 QSADVQRMWDITVKEQBLAESPPGMAGVENKDEAHLRQDGFTGK-- 992

519 HHAVPKTKKEIEAATORYRCPLCPGTDYCCSKCKSHKPAPELPGEOFQCGSRGSSLPK 578
 993 -----EVEQGFLNATEEV--WFPG-----EGHENPEP-----KEQRGLVEG 1028

579 RNAKGTPEGLSARDGMSAAGGTPOLGBEGDRSDQDWWMLSERQSKSKPHSAQSI 638
 1029 ASVKGGAEGL---QDPEGQSQVQGTCQAPQG-----LPEAIE-- 1064

639 RKSYPLESRAAP-GERSVRIHLLGAS-GHSRSVARAHP-----FTQDPM 682
 1065 ---PLVBDIVAPGGDQASPEVMLGSPBAMGESAAGAEPLQGQVYGLGDQGHLTREVM 1120

683 -PPLTPNPTLAQ-----LEPACRRLAEVSK-PKORCCVASYAOSQDRNHSAA-- 726
 1121 EPLERESLEAKRVOQIEGPERKDLEAGGJLCTEFSELPGKSRDPWEPREGREESAEAP 1180

727 -GQAGRSPFANPSLAPSLAPBDHKEPKKCLASHA 755

Db 1181 RGAEFAFPATLGHGTGSDAPSPWPLGSBEA 1210

RESULT 5
 US-11-132-687-2
 Sequence 2, Application US/11132687
 Publication No. US2006062769A1
 GENERAL INFORMATION:
 APPLICANT: Habener, Joel
 TITLE OF INVENTION: STEM CELLS AND THEIR USE IN TRANSPLANTATION
 FILE REFERENCE: 3204/123.B
 CURRENT APPLICATION NUMBER: US/11/132,687
 PRIOR APPLICATION NUMBER: US 60/169,082
 PRIOR FILING DATE: 1999-12-06
 PRIOR APPLICATION NUMBER: US 60/215,109
 PRIOR FILING DATE: 2000-06-28
 PRIOR APPLICATION NUMBER: US 60/238,880
 PRIOR FILING DATE: 2000-10-06
 PRIOR APPLICATION NUMBER: US 09/731,255
 PRIOR FILING DATE: 2000-12-06
 NUMBER OF SEQ ID NOS: 55
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 2
 LENGTH: 1618
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-11-132-687-2

Query Match 3.4%; Score 151.5; DB 7; Length 1618;
 Best Local Similarity 19.4%; Pred. No. 0.023; Matches 180; Mismatches 333; Indels 309; Gaps 42;

21 APRPPVPE-EGETPP---COPSVGKQSTKPM----PVSSNARRNBDG 61
 395 ASPAVDDEIRAIQADAPSLLQTOGGRKQAPEPLRAEARVAIPASVPLCPBEEFGQROEAS 454

62 LGE-PEGASPDSPLTWKTSLSLQDQGAYLFRT----FLEREKCVDTLD 109
 455 TGOSPEDASLAPLSPHSSLBAKDOBEGGSRVSFCTRGEBGQIWGLVEKETATEBG-- 512

110 FWFACANGFRQMLNLDKTKLVRVAKAIKYIENNNTISKQLKPATKTYIRDGJKKKQQIGSV 169
 513 -----KVSSLQQEIWEEEDLNKEIIDSQVPLKETELK--SUGEE 551

170 MFDQAAQTQIAYMBENAYQVF-----LTSDTIYVRS-----GENT 207
 552 IQESLKT---LENOSHETLERENQCPRLSLED--LETLSLEKENKRAIKGCGGSET 604

208 AYMSNGGIGSLKVLCGYLPTLNEEEWTCADLK--CKLSPPTVVG-LSKSLTRATASVRS 263
 605 -----SRKGCRQKPTGKEDTDLQSLQKENBLMKSLEGNNBTFLPGTENQEL 655

264 TETAENGRFSF---KRSDPNPVPHVGSYFAPATSANDSELSSDALTD---- 310

656 VSSLQENLSTALEKNEQPLRSPVEYDDEALRPLTKENQPLRS--LEDENKEAFRSL 713
 311 -----SMNTDSSVGDVPPYRMGSKQLO----REMHRSVKN 344

714 EKENOEPKTLBEEQDSI--VRPLETENHKSLRSLEEQDQETLRTLEKETQRRSISQE 771
 345 GOVSLPHPRTHLKPMTVPEAAELISR-----LEKLUKE-LESRHSLSER 394
 772 DQMTL-----RPPKEVDEPLPLKSLDQETARPLNENQEFLSLKESVBAKSLETE 823

208 AYMSNGGIGSLKVLCGYLPTLNEEEWTCADLK--CKLSPPTVVG-LSKSLTRATASVRS 263
 513 -----KVSSLQQEIWEEEDLNKEIIDSQVPLKETELK--SUGEE 551

552 IQESLKT---LENOSHETLERENQCPRLSLED--LETLSLEKENKRAIKGCGGSET 604

513 -----KVSSLQQEIWEEEDLNKEIIDSQVPLKETELK--SUGEE 551

170 MFDQAAQTQIAYMBENAYQVF-----LTSDTIYVRS-----GENT 207

552 IQESLKT---LENOSHETLERENQCPRLSLED--LETLSLEKENKRAIKGCGGSET 604

208 AYMSNGGIGSLKVLCGYLPTLNEEEWTCADLK--CKLSPPTVVG-LSKSLTRATASVRS 263
 605 -----SRKGCRQKPTGKEDTDLQSLQKENBLMKSLEGNNBTFLPGTENQEL 655

264 TETAENGRFSF---KRSDPNPVPHVGSYFAPATSANDSELSSDALTD---- 310

656 VSSLQENLSTALEKNEQPLRSPVEYDDEALRPLTKENQPLRS--LEDENKEAFRSL 713
 311 -----SMNTDSSVGDVPPYRMGSKQLO----REMHRSVKN 344

714 EKENOEPKTLBEEQDSI--VRPLETENHKSLRSLEEQDQETLRTLEKETQRRSISQE 771
 345 GOVSLPHPRTHLKPMTVPEAAELISR-----LEKLUKE-LESRHSLSER 394
 772 DQMTL-----RPPKEVDEPLPLKSLDQETARPLNENQEFLSLKESVBAKSLETE 823

395 LQIREDEEKGSEQALSSRGAPVQHPLAALPSGSYEDQ---TILDDHLSRVLKT 449
 824 ILESLKSAQENLETLSKPETOAQLWTPPEEINKSGENESSRKGNSRTTGVCGSEPRDQT 883

450 PGCPSPV---GRYSPR---SSRSPDHHOH-----HHQQCHTLLSTGKLP 490
 884 PGRGESSIONLSMPEGEFELSRGYKDSQRNLLEENLGKGEYOBLSLSEBQELP 943

491 PVA-----ACPLIGG-----KSFLTKQTTKHVHHHYIH 518
 94 QSADVQRMWDITVKEQBLAESPPGMAGVENKDEAHLRQDGFTGK-- 992

519 RNAKGTPEGLSARDGMSAAGGTPOLGBEGDRSDQDWWMLSERQSKSKPHSAQSI 638
 1029 ASVKGGAEGL---QDPEGQSQVQGTCQAPQG-----LPEAIE-- 1064

639 RKSYPLESRAAP-GERSVRIHLLGAS-GHSRSVARAHP-----FTQDPM 682
 1065 ---PLVBDIVAPGGDQASPEVMLGSPBAMGESAAGAEPLQGQVYGLGDQGHLTREVM 1120

683 -PPLTPNPTLAQ-----LEPACRRLAEVSK-PKORCCVASYAOSQDRNHSAA-- 726
 1121 EPLERESLEAKRVOQIEGPERKDLEAGGJLCTEFSELPGKSRDPWEPREGREESAEAP 1180

727 -GQAGRSPFANPSLAPSLAPBDHKEPKKCLASHA 755

RESULT 6

US-11-126-313-33

; Sequence 33, Application US/11126313

; Publication No. US20050288489A1

; GENERAL INFORMATION:

; APPLICANT: Joel

; TITLE OF INVENTION: VOLTAGE-DEPENDENT CALCIUM CHANNEL BETA SUBUNIT FUNCTIONAL CORE

; FILE REFERENCE: P-6758-US

; CURRENT APPLICATION NUMBER: US/11/126, 313

; CURRENT FILING DATE: 2005-05-11

; NUMBER OF SEQ ID NOS: 38

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 33

; LENGTH: 2505

; TYPE: PRT

; ORGANISM: homo sapiens

US-11-126-313-33

Query Match

Best Local Similarity 3.4% ; Score 149; DB 7; Length 2505;

Matches 103; Conservative 47; Mismatches 177; Indels 168; Gaps 23;

Query 2.74 FRSQDPVNPYHVS-GYVAPATS-----ANDEIL--SSDALTDMSM-----TDS 317

Db 1988 FQMRMPPSTQEGPGQNALPSIOLDPGGALMAHESGLKESPSWTQRAQEMFQKGTGWS 2047

Query 311.8 SVDGVPYPRMGSKKQLQ---REMHRS-----VKGANGQ--VSLPHFP ---RTHRL 358

Db 2048 PEGQPTMPNSQNSQSVMRENGRGDSYHLPMEGQRAASHFLPAPLNRGR 2107

Query 359 PK----EMTPVPEAAELIS-----RLEKLUKELESRHSLERLQIREDEK 404

Db 2108 PRGNNLSTISDTSFPMKRSASVLSGPKARLDDYSLERVEENORH----HQRRRRSH 2161

Query 405 EGSEQQALSLRSDGAPVQHPLLPSGSYEDPQTILDDILSRVLUKTPGQSPGVGRYSPRS 464

Db 2162 RASERSL-----GRY-TDVGDLGTRDLS--MTTQSGDLPSKERDQRG 2201

Query 465 RSPDHHHHOCHHOOCHTLLSTGGKLPPVAAACPLGGKSFLLTKTTHHHAVPK 524

Db 2202 RPDKRKHROHHH-----ARARDQWRSRSPDNGR-----ARARDQWRSRSPDNGR 2224

Query 525 TKEEIEAATORVRCCLCPGTDYCCSYCKSHPKAPELPGEQFCGSRGTTLPKRNAGT 584

Db 2225 DKDRAQSRPDRHGR-----ARARDQWRSRSPDNGR-----ARARDQWRSRSPDNGR 2265

Query 585 BPGLALSLARDGMNSAAGSPQLP-----GEEGDRSDQWQMMLESE 625

RESULT 7

US-11-096-568A-29371

; Sequence 29371, Application US/11096568A

; Publication No. US2006008240A1

; GENERAL INFORMATION:

; APPLICANT: Alexandrov, Nickolai et al.

; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptide

; FILE REFERENCE: 2750-1592PUS2

; CURRENT APPLICATION NUMBER: US/11/096, 568A

; NUMBER OF SEQ ID NOS: 34471

; SEQ ID NO 29371

; LENGTH: 496

; TYPE: PRT

; ORGANISM: Arabidopsis thaliana

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1..(496)

; OTHER INFORMATION: Ceres Seq. ID no. 4814589

US-11-096-568A-29371

Query Match

Best Local Similarity 3.3% ; Score 148; DB 7; Length 496;

Matches 98; Conservative 42; Mismatches 132; Indels 202; Gaps 23;

Query 310 DSNMST-----DSSVGVPYPRMGSKKQLQREMRHSVKAQ---QVSLPHFPRTH-- 356

Db 125 DEINITKIVFGIDDPDTGYREILPLSSLIK---EMFESVLINQSTIQLTKSLFGETFLP 180

Query 357 --,RLPKEMTPVEP-AAPAAELISLERKLUKELSRHSLEERLQQIR-----BDEEKEG 406

Db 181 EVLKFPGTSITVLPQPSAPP-----LQKPKIV--NFTLNYSIHQIQINFNTLASQLRNG 232

Db 407 SBOA-----LSRSGAPVQ----HPLALLPSGSYEDPO-----436

Db 233 LNLPYENLYVSLSNSESTVSPPPTVHSVSLURGTSNSSSPRLKQLTDTITCSRSRKNLG 292

Query 437 -----TILDHLSRVLKTPGCGQSPGVGRYSPRSRSPDHHRQHHHHQOQHT 481

Db 293 LNNTIFGKVQVRLLSFPLNNSDSTSXPS -PSP-----SPSKHHHHHHHHHHHHHHH- 345

Query 482 LSSTGGKLPPVVAACPLGGKSFLTKTTHHHAVPKTKEELE--AEATORVR 538

Db 346 -----HNNHHHHHHHHNLSPKAQAEVSPVSPAPHRSR 377

Query 539 CLCGGTGTDYCCSYCKSHPKAPELLPQBFQFC-GSRGGTLPKRNAGTPEGLALSARQG 596

Db 378 -----KRAPSSAPP-----KRAPSSAPP-----CNPGRVYHFKERVQFSSTPAPPSA--- 412

Query 597 MSSAAGGQPLGEGGDRSDQWOMLIESBRSQSKPKHSAQSIRKSYPLESARAPGERSV 656

Db 413 -----GAPH--HOLHPAPISAHS-----430

Query 657 RHHILGAGSHRSVYARAHPTQDAMPPLTPPNTLAQOLEEACRRLAEVSKPKQ 710

Db 431 --HIVPISAPLPHVVFAH-----AAQPDITEPR-----PHANEVAHPQD 469

RESULT 8

US-11-096-568A-29370

; Sequence 29370, Application US/11096568A

Publication No. US00060048240A1
 GENERAL INFORMATION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
 APPLICANT: Alexandrov, Nickolai et al.
 TITLE OF INVENTION: Therby
 FILE REFERENCE: 2750-1592PUS2
 CURRENT APPLICATION NUMBER: US/11/096,568A
 NUMBER OF SEQ ID NOS: 34471
 SEQ ID NO: 29370
 LENGTH: 548
 TYPE: PRT
 ORGANISM: Arabidopsis thaliana
 FEATURE: misc_feature
 LOCATION: (1). (684)
 OTHER INFORMATION: Ceres Seq. ID no. 4814587
 US-11-096-568A-29369

Query Match 3.3%; Score 148; DB 7; Length 684;
 Best Local Similarity 20.7%; Pred. No. 0.012;
 Matches 98; Conservative 42; Mismatches 132; Indels 202; Gaps 23;
 Matches 98; Conservative 42; Mismatches 132; Indels 202; Gaps 23;

Qy 310 DSMSTM-----DSSVGDYPYRMSGKSKQLQREMRHSYRANG---QVSLPHFRPRTH-- 356
 Db 313 DEINITKVFVGLDPDTYREILPLLSIK---EMFESVILINOSTLQLTKSLEGETLF 368

Qy 357 ---RLPKEMTPVEP-AAAFAELISRLKLELERSHSLERLQIR----EDEKEG 406
 Db 369 EVLKPGEGITVPPQSAFP----LOKEKIVF-NFTLNVSYIHOQINFTNLASOLKNG 420

Qy 407 SEQA-----LSSRDGAPVQ----HPLAALLPSGSYEEBHQ---- 436
 Db 421 LNLAPEYNLVYLSNSSEGSTVSPPTVHSSVLRVGTSNSSPRLQKLTDTGSRSKNLG 480

Qy 437 -----TILDDHLSRVLTPEGCCSPGVGRSPRSRSPDHHHOHHHHOQCHT 481
 Db 481 LNNTIFGRKVQVRLLSPNNSDSTKSKS-PSP----SPSKHMHMHMHMHMHMH- 533

Qy 482 LLSTGGKLPPVAACTLIGGKSFLTKTQTTKATHYIHHHAHPKTKTKEIE--AEATQRVR 538
 Db 534 -----HANHHHHHHHHHHNLSPKMAPEVSPVAPAPRSR 565

Qy 539 CLCPGGTDYCCSKCKSHPKAPPEPLPGEQFC--GSRGGTLPKRNAKGTEPLGALSLARDGG 596
 Db 566 -----KRAPSAPP----CNPGRVHFKEKRVQFSSTPAPASA---- 600

Qy 597 MSSAAGGPOLPGEEGDRSDQYWMQMLESEROKSKPHEAQSTKSYPLESARAAPGERSV 656
 Db 601 -----GAPH--HOLHSPAPISAKS---- 618

Qy 657 RHHLGASGHRSVARAHPFTODPAMPPLTPPNTLAQLEACRRLAEVSKPKQ 710
 Db 619 -HRVPISAPLPHVWFAH----AAQSPITEPRE----PHANEVAHPQ 657

RESULT 10 -234-1039
 US-10-821-234-1039
 Sequence 1039, Application US/10821234
 Publication No. US20050255114A1
 GENERAL INFORMATION:
 APPLICANT: Lbat, Ivan
 APPLICANT: Stache-Crain, Birgit
 APPLICANT: Andarmani, Susan
 APPLICANT: Teng, Y. Tom
 TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
 FILE REFERENCE: 821A
 CURRENT APPLICATION NUMBER: US/10/821,234
 CURRENT FILING DATE: 2004-04-07
 PRIOR APPLICATION NUMBER: US 60/462,047
 PRIOR FILING DATE: 2003-04-07
 NUMBER OF SEQ ID NOS: 1704
 SOFTWARE: PT SEQ_Genes Version 1.0
 SEQ ID NO: 1039
 LENGTH: 578
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-821-234-1039

Query Match 3.3%; Score 147.5; DB 6; Length 578;
 Best Local Similarity 21.5%; Pred. No. 0.01;
 Matches 104; Conservative 64; Mismatches 178; Indels 137; Gaps 24;
 Matches 104; Conservative 64; Mismatches 178; Indels 137; Gaps 24;

Qy 214 GLGSKXVLGYLPTN----EEETWTCAJLKCKUS----PTVVGSSKTL---RATA 259
 Db 115 GKKSPPRLCIEKVTDKDPKEKEEDDSALPOEVSTIAASRPSRSGWRSRTSVSRHRDTE 174

RESULT 9
 US-11-096-568A-29369
 Sequence 29369, Application US/11096568A
 Publication No. US20060048240A1
 GENERAL INFORMATION:
 APPLICANT: Alexandrov, Nickolai et al.
 TITLE OF INVENTION: Therby
 FILE REFERENCE: 2750-1592PUS2
 CURRENT APPLICATION NUMBER: US/11/096,568A
 NUMBER OF SEQ ID NOS: 34471
 SEQ ID NO: 29369
 LENGTH: 684
 TYPE: PRT
 ORGANISM: Arabidopsis thaliana
 FEATURE:

Qy 260 SVRSTETAAENGFRSPKESDPVN--PYHVGSGYVFPATSDANDSELSSDALTDMSMSMTD 316
 Db 175 NTRSSRSKTGSLQICSEPTNDQLDVGEEHQSPCGISSEEEEEE--EEEMLSE 229
 Qy 317 SSVDGVPPYRMGSKKQLOREMHSVRANGQVSLPHFRTHRLPKEMTPVEPAFAAELIS 376
 Db 230 EEEI----PFKDDPRDETYK-----PHLRE-----TP-KPDKSGKVKE 263
 Qy 377 RUEKLUKLELESRHSLEERLQQREDEEE--XEG-----SEQALSSRSGAPVQ-----420
 Db 264 EKEKKEITKVEVEVKBEENE.REDEBSPRKGRKRRKDKSPLRPLRKPKPIQYVRCEM 323
 Qy 421 -----HPLALLPSGSYBEDPOTILDHLSRVLKPGCQSPGVGRYSPRSRSPDHHQ 472
 Db 324 EGGGTVALAHPRLQHH1KYQ-----HJLHK--KCCYVCPHPSCSRFLRQLKOLLRHK 372
 Qy 473 HH-----HIIQCHTLLSLSTGKLPVVAACPLLGKSFPLTKQTKK--H 511
 Db 373 HHTDQDYICEYCARAFKSSHNLAVHRMINTGEK--PL-QCEBICG----FTCRQASLNWH 426
 Qy 512 VHHHYTIIHHAVPKTKKEEAEATORVRLCPG---GTDYCYCISKCKSHPKAPEPUPGEQ 567
 Db 427 MKH-----DADS7YQFCN1CIGKFKEDKSDVTAHKAKSH--PEVJAEA 469
 Qy 568 FCGSRGGTLPKRNKAAGTPEGLALSARDGMSSAAGGQPOLPGEEGDRSDQVQWMLSERQ 627
 Db 470 LAANAGALITSTDILGTNPESLTQPSDG-----QGLPLPEPLGNSTSGBC-LILLEAEGM 523
 Qy 628 SKS 630
 Db 524 SKS 526

RESULT 11
 US-10-330-773-907
 ; Sequence 907, Application US/10330773
 ; Publication No. US20060040262A1
 ; GENERAL INFORMATION:
 ; APPLICANT: David W. Morris
 ; APPLICANT: Marc Malandro
 ; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
 ; FILE REFERENCE: 529452001300
 ; CURRENT APPLICATION NUMBER: US/10/330,773
 ; CURRENT FILING DATE: 2002-12-27
 ; NUMBER OF SEQ ID NOS: 981
 ; SOFTWARE: Fast-SEQ for Windows Version 4.0
 ; SEQ ID NO: 907
 ; LENGTH: 2392
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-330-773-907

Query Match 3.1%; Score 139; DB 6; Length 1690;
 Best Local Similarity 20.3%; Pred. No. 0.32; Matches 145; Conservative 70; Mismatches 274; Indels 224; Gaps 31;

Qy 173 QRTETIAVMBENAYQFLTSDIYLEVRSGGENTIAMSNGCGSLKUVCYPLTNEE 232
 Db 1764 RTHTDVRPYVCKHCFAKTKNLTKHMKSKAHSKUCCQETGYLEEL-----EAE 1812
 Qy 233 EWTCAIDI-----KOKLSPPTVGGUSSKTRATASVRSTETAAENGFRSPKRS 278
 Db 1813 BGTSDDLQDSEREGSEAVETHQFSLEDSRSDSLDEDDEDEESEDSLSPSEAP 1872
 Qy 279 PYNPYH-----VCGSYYHFPATSDNLSS---DALTDMSMSMTDSSVDPV-----323
 Db 1873 PPGPHALRADSSPILQSPQPPDAPASSTEGTQSSYBAERLTASSMSQSMPELWL 1932
 Qy 324 PFRMGSKKQLOREMHSVRANGQVSLPHFRTHRL--KEMTPVEPAFAEELISRI 378
 Db 1933 GAAPLG-----SVEKDGTGSALSYKPVSPRNEWSPSKAEGSRPLA-----1972
 Qy 379 EKLKLELESRHSLEERLQQREDEEEQALSSRSGAPVHPLALLPSGS--YEBDPQ 436

Db 1973 --RKSUTKNDSSPQRSPAREPQASAPSPPPCLHLVDPG---RGMBGLPCSPRQLQSL 2026
 Qy 437 TILDHLSRVL-----KTPGQCSQPGVGRYSPRSR-----SPDH 469
 Db 2027 TLCP--LGRELAPRAHVLSKLEGTTDPLGRYSPTRRWSPGQAESPRSSAPGKWAQPGS 2084
 Qy 470 HHQHHHHQQC-----HTPLS-----TGGKLPPVAAACL 497
 Db 2085 PSAGENGPGUGLAPRVLFFPAPLPHKULLSRSPETCDWQKAESRSRSPGPAHPLSSRPF 2144
 Qy 498 LGGKSPLTKQTTHYHHYHHAUPTKTEI-----EAETQRVRC-LCPGGTDYCY 550
 Db 2145 ---SAL-----HDFIGHHLARTEENIPSHLPLHSQHTRAPCPLIPIGG1QMVQ 2190
 Qy 551 SKCKSHPK-APEP-----LPGBCFGSRGGTLPKRNAKGTEPGLA-----589
 Db 2191 ARPGAHPTLPGPTAAWVSGSGGGSDLTGAREAQRGRWSPTESSASVSPVAKVSKFT 2250
 Qy 590 -LSARQGG-----MSSAAGGPGOLPGBEGDRSDQVWQMLSERQSKSPHSQAOSTRKS 643
 Db 2251 LSSELJGGDYPKERETGGGCRPDP-----W-----TPHGTGAPABPTP 2290
 Qy 644 LESARAA-----GVRVSRBHLLGASGHRSRVARAHPFTODP-AMPPLTPPNTLAQL 694
 Db 2291 THSPCTPPDTPLPRPQGRRAQ-----SWSPRLSPRANPEPSATPDLRSSVYGL 2344
 Qy 695 BEACRRLAEVSKPQKORCCVVASQDRDNHSAAQGAGSPFANPSLAPEDHKEP 747
 Db 2345 AEASARF-----PARTR-NLSEGPTRQDKSPKPGSGCEPRAHF-QFEDRVPP 2390

RESULT 12
 US-10-330-773-389
 ; Sequence 389, Application US/10330773
 ; Publication No. US20060040262A1
 ; GENERAL INFORMATION:
 ; APPLICANT: David W. Morris
 ; APPLICANT: Marc Malandro
 ; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
 ; FILE REFERENCE: 529452001300
 ; CURRENT APPLICATION NUMBER: US/10/330,773
 ; CURRENT FILING DATE: 2002-12-27
 ; NUMBER OF SEQ ID NOS: 981
 ; SOFTWARE: Part-SEQ for Windows Version 4.0
 ; SEQ ID NO: 389
 ; LENGTH: 1690
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 ; US-10-330-773-389

Query Match 3.1%; Score 138.5; DB 6; Length 1690;
 Best Local Similarity 20.7%; Pred. No. 0.21; Matches 120; Conservative 76; Mismatches 210; Indels 173; Gaps 30;

Qy 257 ATASVRSTETAAENGFRSKRSDFPVNPYHVGSGYVFPATSDANDSESSD-ALTDMSMSMT 315
 Db 1174 ATSSR-----KRGKRGGLRNPL-----PNSSAVLDSSGEFASTERMLATT 1216
 Qy 316 DSS-----VDCVPYRMGSKKQQLQ-----REMRVSKAN-GVYSL 349
 Db 1217 DTNKFSPFLQTAEDDTQEVAGAPDQHGPADBEQGSPAEDRLLRAKNSYANCLOKINC 1276
 Qy 350 PHFPR-----THRLPKENTPVEPAFAEELISRLKUFLSRSHLBRLQ 396
 Db 1277 PHCPRYEPWASSLQRHMLTHGSKKALT-----AHOADLAIK-EAKAAAPSEBEKEETE 1330
 Qy 397 QIREDEEKEGSQALSSRQDLSRPSYBDDPQTILD-DHLSRVL-KTPGQ 453
 Db 1331 ENPEEEBCRVEESTGRAD-AP-----EEDTNQSLDLDFTKLMDFKLAESE 1376
 Qy 454 SPGVGRYSPRSRSPDHHQHHHQCHTLLSTGGKLPVVAACPLGGSKSFLTQTKHGVH 513

Qy

Db	1377 AGSVDSQCPQQEPKH-----ACDT-----C----GKPKFELGTLS--R 1409	Db	1501 QNQKQYDTSSKTHNSQOGTSSMLED-LQLSDSESDS-----1536
Qy	514 RHYTHHHPVAPVKTE-----EIBEAATQVRCLCPGGTDYCYSKCKSHPKAPPPLGEQFC 569	Qy	344 NGQVSLPHFPRTRHLPKEMTPVEPAFAELISRLKLELERSHLEERLQOIREDE 403
Db	1410 HKKAHSCCBPKKEEAAAPSLNEGVGRA-----VEGPSPSPEPEKPKAELA 1456	Db	1537 -----DBQTPEPKPSSAP-PSAPQSLPEPVASAHSSAEESESTDSDS 1580
Qy	570 -----GSRGGTLPKRNAGKTEP----GLALSARDGGMSAANGPQLPGEECSDRSQDVWQ- 619	Qy	404 KEGSEQALSSRD--GAPVQHPLAUJPGSYEEDPQTI---LDQHLSRV----LKTP 450
Db	1457 IDPTPGTRESTAVAKQNEETEGITDGEGETAEKRGDGDRPKTDSPKMSAIDKRKVCSV 1516	Db	1581 SSDESSESSSSDSENEPLET-----APEPEPTINKWQDNLWLTKVSQLRHORAP 1633
Qy	620 -----WNLLES-BRQSKS---KPHSAQSIKSYPLSEA----RAAPGFRYSRHILGAS 664	Qy	451 GQSPGVRYS----PRSR-----PDHHH----QHHHQ 478
Db	1517 CNKRFWNSQDLTRHMNSHTGERPYSKOTCERFTLKHSLVRHORITHQKARISKHH---G 1572	Db	1634 GQSPHIGTQYRVAATPVRSVSLNPKILPKAPAKPQRPEAPHPGKRSQKSPAQOE 1693
Qy	665 GHRSVARAHPPTQDPAMPPLTPPTNLIAQEPKACRRLAEVSKPKORCVAQSQRDRHNS 724	Qy	479 CHTLSTYGKLP-----PVACPLIGGSFL-----TKQTTRKHVHHYIHHHJAVP 523
Db	1573 KDSDKDERAEUSEDDETHSATNPASENEASA-----PSTSNNHVAVTRSRKELS 1623	Db	1694 PPQRTVGTQPKPKVKA SARAGSRSTSLOGEREPGLPYGSRDQTSK-----DKPKV 1745
Qy	725 AAG-----ORGASPFANPSLAPED--HKEPKKLLASV 753	Qy	524 KTKTEIEAETQVRCLCPGGTDYCY-----SKCKSHP-----KAPE----P 562
Db	1624 TSGKECSPEERAAEQAEAEPS-APKEQDGETDPOSAAI 1661	Db	1746 KTKGPRPAAAASNEPKPAPVPSKCKGHKSSLPAPKSALSGPEPAKONVEDRPEFHFLVP 1805
RESULT 13			
; Sequence 54, Application US/10469469			
; GENERAL INFORMATION: US2006007943A1			
; APPLICANT: FRITZ, LAWRENCE C.			
; TITLE OF INVENTION: METHODS FOR TREATING GENETICALLY-DEFINED PROLIFERATIVE			
; TITLE OF INVENTION: DISORDERS WITH HSP90 INHIBITORS			
; FILE REFERENCE: CON-0010-USN			
; CURRENT APPLICATION NUMBER: US/10/469,469			
; CURRENT FILING DATE: 2003-08-27			
; PRIOR APPLICATION NUMBER: PCT/US02/06518			
; PRIOR FILING DATE: 2002-03-01			
; PRIOR APPLICATION NUMBER: 60/272,751			
; PRIOR FILING DATE: 2001-03-01			
; NUMBER OF SEQ ID NOS: 330			
; SOFTWARE: PatentIn Ver. 2.1			
; SEQ ID NO 54			
; LENGTH: 2311			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
; US-10-469-469-54			
Query Match 3.1%; Score 138; DB 6; Length 2311;			
Best Local Similarity 18.6%; Pred. No. 0.36;			
Matches 187; Conservative 103; Mismatches 324; Indels 390; Gaps 44;			
RESULT 14			
US-10-821-234-888			
; Sequence 888, Application US/10821234			
; Publication No. US2005025514A1			
; GENERAL INFORMATION:			
; APPLICANT: Labat, Ivan			
; APPLICANT: Stach-E-Crain, Birgit			
; APPLICANT: Andamani, Susan			
; APPLICANT: Tang, Y. Tom			
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia			
; FILE REFERENCE: 821A			
; CURRENT APPLICATION NUMBER: US/10/821,234			
; CURRENT FILING DATE: 2004-04-07			
; PRIOR APPLICATION NUMBER: US 60/462,047			
; PRIORITY FILING DATE: 2003-04-07			
; NUMBER OF SEQ ID NOS: 1704			
; SOFTWARE: pt SEQ_Genes Version 1.0			
; SEQ ID NO 888			
; LENGTH: 748			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
; US-10-821-234-888			
Query Match 3.1%; Score 137; DB 6; Length 748;			
; Best Local Similarity 35.4%; Pred. No. 0.085;			
; Matches 40; Conservative 16; Mismatches 47; Indels 10; Gaps 5;			

Query Match 3.1% Score 136.5 ; DB 7 ; Length 880 ;
 Best Local Similarity 18.7% ; Pred. No. 0.12 ;
 Matches 147 ; Conservative 96 ; Mismatches 295 ; Indels 247 ; Gaps 36 ;

Y 725 AAGOAGASPPANPS -LAPDHKEPKKLAVHALOASIELUVTYFFCGEEIPY -RRMLKA 780
 D 1 AAGPRAPP ---PSGRGPAPARAGRARAANGPEARANGPEARMGTEKITHLDGQTPVLYKLPLPA 57

Q 781 QSLTILGHFKEQLSKKGNYRYFFKKASDFFAGAYFEETWDDETVLPMYEGRIL 833
 D 58 ERVTLADFFGCVL -QRPSTKFFKSMDDF -GIVKKEEISDDNAKLPQCNGRVV 107

RESULT 15
 US-11-087-099-950
 ; Sequence 950, Application US/11087099
 ; Publication No. US20060041961A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Abad, Mark S. et al.
 ; TITLE OF INVENTION: Genes and uses for Plant Improvement
 ; FILE REFERENCE: 38-21-(53450)B EP
 ; CURRENT APPLICATION NUMBER: US/11/087,099
 ; NUMBER OF SEQ ID NOS: 12464
 ; SEQ ID NO: 950
 ; LENGTH: 880
 ; TYPE: PRT
 ; ORGANISM: Cochliobolus carbonum
 US-11-087-099-950

Y 138 YIENNNSVVISQKLRATKTYIRD -GIKKQDQG -- -SVMFDDQATETQAVNBENAVQVFLTSD 194
 D 176 YCHRHKIYHDLKPEPNLILHDHSNVIKIADEGFLSNIMTDCGNFLKTSGSGSPNYAAPEVISGK 235

Q 195 IYLEYVRSGENTAYMSNGGL --- -GSLKVLCGYLPTLNBEETWADLCKKLSPVV 248
 D 236 LY --- -AGPBDVWCGVILYLVGLPFDDEYIPTLFLKTAAGQYSTSylSPAT 289

Q 249 GLSSKTLRATASVRSRSTETAEENGFRSKRSRDPVNPYHVGSGYVFAPATSSANDSELSSDALT 308
 D 290 SLTRKMLM ----- -VNPVH----- -RITIPPLR 310

Q 309 DDSMSMTDSSVGYPYRNGSKCOLQRMHRSYKANGQVSLPHFPRTRLPKEMTPVPEA 368
 D 311 QDPWFTTDLDPAYLEPP ----- -AQEFFDSDAPNKAID ----- -PKALAPLADA 352

Q 369 --- -AFAQALIISRLKLUBLESSHLSRLQQ ----- -IRDEEKEGSBQALS 412
 D 353 PRYQALHENVTKLGKTM -GYAKHDVQDALARDEPSAIKDAYLIVRENEMMR -ENPLT 409

Q 413 SRDGAPVQHPLALLPSGSYBED -PQTLDLHLSRLVLTGCGCSPGVRYSPRSPRSPDH 470
 D 410 NQDGVPWNHQSPPAHDSTMEKFRPQSL - -NAVSRPQFIPPSA----- -DHB 454

Q 471 HQHHHHHQCHTLLSSTGGKLPVAAQPLGGKSPLTQTKVHVVHHYIHHH----- 520

DB 455 RARQGSNASSQQLASIRSPVSTIALLP ----- -SSLTE ----- -YHKAYMHGHPRPTNKLSES 504

Q 521 -AVPRTKEETEAEATQRVRLCPGTDYCYSKCKSHPKA --- -PBPDPQEFCGSRGQT 575
 D 505 EALDPTPEQTEEQBQISARRLP ----- -NERTMPEAGRTKPEPT ----- -S 545

Q 576 LPKRNAKGT ----- -EPLGLSARDGGMSSAAGGSQLP ----- -GEEGDRSDQDWQ 619
 D 546 LPTKPKRATKQWFGIRSRNQPAEAMLA FKALKAMGAMDEVPKTRRAGSGRSRSTSQ 605

Q 620 WMLBESRQSKSKPSKAQSI ----- -RKSYLE ----- -SARAAPGERVSRH 658
 D 606 - -APEDRKEKSRSRNSQDSSSHSSDEODGSKRSRSPRREPLSVRNNGTSEOBARGROCKHY 663

Q 659 HLLGASG ----- -HSRSVARAHPFTQDAMP -- -LTPPNTLAAQJEEACRRAEVSK 706

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OM protein - protein search, using sw model

Run on: April 20, 2006, 15:30:33 ; Search time 10.277 Seconds

(without alignments)
989.497 Million cell updates/sec

Title: US-09-587-574-2
Perfect score: 639
Sequence: 1 WTKSLHSLIGDQGAYLFRT.....VMEENAYQVFLTSIYLEYV 123.

Scoring table: BLOSUM62
Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing First 45 summaries

Database : Issued_Patents_AA:*

- 1: /cgn2_6/ptodata/1/iaa/5_COMB.pep:*
- 2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
- 3: /cgn2_6/ptodata/1/iaa/H_COMB.pep:*
- 4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
- 5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
- 6: /cgn2_6/ptodata/1/iaa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4.07	63.7	127	2 US-09-865A-19	Sequence 19, Appl
2	63.7	992	2	US-08-890-865A-10	Sequence 1, Appl
3	4.06	63.5	855	2 US-08-890-865A-10	Sequence 10, Appl
4	4.01	62.8	900	2 US-08-890-865A-4	Sequence 4, Appl
5	186.5	29.2	235	2 US-09-244-314-2	Sequence 2, Appl
6	186.5	29.2	235	2 US-09-438-959-2	Sequence 2, Appl
7	186.5	29.2	235	2 US-09-890-749-2	Sequence 2, Appl
8	177.5	27.8	235	2 US-09-244-314-4	Sequence 4, Appl
9	177.5	27.8	235	2 US-09-438-959-4	Sequence 4, Appl
10	177.5	27.8	235	2 US-09-890-749-4	Sequence 4, Appl
11	27.0	519	2	US-10-113-79A-2	Sequence 2, Appl
12	172.5	27.0	520	2 US-09-949-016-9918	Sequence 9918, AP
13	169.5	26.5	120	2 US-08-890-865A-13	Sequence 13, Appl
14	167.5	26.2	120	2 US-08-890-865A-11	Sequence 11, Appl
15	167.5	26.2	211	1 US-08-748-483-4	Sequence 4, Appl
16	167.5	26.2	211	2 US-09-949-016-6288	Sequence 6288, AP
17	167.5	26.2	221	2 US-09-949-016-10608	Sequence 1, Appl
18	167.5	26.2	930	2 US-10-113-79A-1	Sequence 31, Appl
19	165	25.8	119	1 US-08-588-258B-31	Sequence 31, Appl
20	165	25.8	119	2 US-0460-505-31	Sequence 31, Appl
21	165	25.8	119	4 PCT-US96-08295-31	Sequence 31, Appl
22	165	25.8	196	1 US-08-829-110-5	Sequence 5, Appl
23	165	25.8	196	1 US-08-748-483-3	Sequence 3, Appl
24	165	25.8	196	2 US-09-702-705-339	Sequence 339, APP
25	165	25.8	196	2 US-09-736-457-339	Sequence 339, APP
26	165	25.8	196	2 US-09-614-124B-339	Sequence 339, APP
27	165	25.8	196	2 US-09-671-325-339	Sequence 339, APP

ALIGNMENTS

RESULT 1
US-08-865A-19
; Sequence 19, Application US/08890865A
; Patent No. 6,307,019
; GENERAL INFORMATION:
; APPLICANT: Conservantini, Franklin
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890, 865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 415
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 19:
; SEQ ID NUMBER: 19
; LENGTH: 127 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-890-865A-19

Query Match 63.7%; Score 407; DB 2; Length 127;
Best Local Similarity 61.9%; Pred. No. 3e-43;
Matches 78; Conservative 21; Mismatches 23; Indels 4; Gaps 2;
Qy 1 WTKSLHSLIGDQGAYLFRT.....VMEENAYQVFLTSIYLEYV 123
Db 2 WAESLHSLLDDQGISFRTFKLIQEGADLIDFWAGSGFRKLEPCDSNEERKLARAI 61
Qy 58 YKRYI-ENNSVVSKQLKPATKTYIRDGIKKQOIGSMVFDQATOETIQAVMEENAYQVFLTS 116

Db 62 YRKYLDNSGIVSRQTKPATKSFIKDCVNKKQIDPAMFQQAQPEIYSTMEENTYPSFLKS 121
 ; Sequence 1, Application US/08890865A
 ; Patent No. 6307019
 ; GENERAL INFORMATION:
 ; APPLICANT: Constantini, Franklin
 ; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
 ; NUMBER OF SEQUENCES: 23
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Cooper & Dunham LLP
 ; STREET: 1185 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: US
 ; ZIP: 10036
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.3.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/890,865A
 ; FILING DATE: 10-JUL-1997
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: White, John P
 ; REGISTRATION NUMBER: 28,678
 ; REFERENCE/DOCKET NUMBER: 0575/54249
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212)278-0400
 ; TELEFAX: (212)391-0226
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 855 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Protein
 ; US-08-890-865A-10

Query Match 63.5%; Score 406; DB 2; Length 855;
 Best Local Similarity 61.1%; Pred. No. 5.2e-42;
 Matches 77; Conservative 22; Mismatches 23; Indels 4; Gaps 2;

Qy 1 WTKSLHSLLQDQDAYLFRFLFEEBKCDTLDWFACNGFRQNN--LKDTKTRVAKAI 57
 Db 99 WAESLHSLLLQDQGINLFRFLQKQBDACDLDFWFACSFRKLEPCVSNEERKLAKAI 158

Qy 58 YKRYI-ENNSVVSQLKPATKTYIRDGIKKQOQIGSVMFDQAEIQAVMEENAYQVFLTS 116
 Db 159 YKRYIILDNGIVSRQKPATKSFIRDCVNMKLQIDPDMFDQAQTEIQMIEDNTYPLFLKS 218

Qy 117 DIXLEY 122
 Db 219 DIXLEY 224

US-08-890-865A-11

Query Match 63.7%; Score 407; DB 2; Length 992;
 Best Local Similarity 61.9%; Pred. No. 4.7e-42;
 Matches 78; Conservative 21; Mismatches 23; Indels 4; Gaps 2;

RESULT 4
 US-08-890-865A-4

Qy 1 WTKSLHSLLQDQDAYLFRFLFEEBKCDTLDWFACNGFRQNN--KTRVAKAI 57
 Db 214 WAESLHSLLLQDQGINLFRFLQKQBDACDLDFWFACSFRKLEPCVSNEERKLAKAI 273

Qy 58 YKRYI-ENNSVVSQLKPATKTYIRDGIKKQOQIGSVMFDQAEIQAVMEENAYQVFLTS 116
 Db 274 YRKYLDNSGIVSRQKPATKSFIKDCVNKKQIDPAMFQQAQPEIYSTMEENTYPSFLKS 333

Qy 117 DIXLEY 122
 Db 334 DIXLEY 339

RESULT 3
 US-08-890-865A-10
 ; Sequence 10, Application US/08890865A
 ; Patent No. 6307019
 ; GENERAL INFORMATION:
 ; APPLICANT: Constantini, Franklin
 ; APPLICANT: Zeng, Li

Db 10036
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.3.0
 ; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/890,865A
 FILING DATE: 10-JUL-1997
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: White, John P.
 REFERENCE/DOCKET NUMBER: 28, 678
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 278-0400
 TELBPAK: (212) 391-0526
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 900 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: Protein
 US-08-890-865A-4

Query Match 62.8%; Score 401; DB 2; Length 900;

Best Local Similarity 62.7%; Pred. No. 2.4e-11;
 Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;
 Qy 1 WTKSLHSLLGDGGAYLFRTEKCDTLDWFACNGFR----QMLKDTKTLRVA 57
 Db 122 WAEGLHSLLDDGGISLFRTEKCDTLDWFACNGFR----QMLKDTKTLRVA 181
 Qy 58 YKRYI-ENNSVYVSKOLKPATKTYIRDGIKKQQIGSVMFDOAQTETQAVMEENAYQVFL 116
 Db 182 YKRYIILDNGITVSROTAKTSPKTSFKIGCIMQLIDPAMPDOAQTETQAVMEENYPSFLS 241
 Qy 117 DIXLEY 122
 Db 242 DIXLEY 247

RESULT 5

US-09-244-314-2
 Sequence 2, Application US/09244314
 Patent No. 6274362
 GENERAL INFORMATION:
 APPLICANT: Hodge, Martin R.
 TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof
 FILE REFERENCE: 5800-19, 035800/174680
 CURRENT APPLICATION NUMBER: US/09/244,314
 CURRENT FILING DATE: 1999-02-04
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 2
 LENGTH: 235
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-244-314-2

Query Match 29.2%; Score 186.5; DB 2; Length 235;

Best Local Similarity 34.6%; Pred. No. 3.6e-15;
 Matches 44; Conservative 25; Mismatches 43; Indels 15; Gaps 3;

Qy 1 WTKSLHSLLGDGGAYLFRTEKCDTLDWFACNGFR----QMLKDTKTLRVA 54
 Db 83 WGESEFDKLHSLLRDGLAEFRTEKCDTLDWFACNGFR----QMLKDTKTLRVA 135

Qy 55 KAIKYRIIENNSVYVSKOLKPATKTYIRDGIKKQQIGSVMFDOAQTETQAVMEENAYQVFL 114
 Db 136 KAIYERFIQTDAPKEVNLDFTKEVITNSITOPTLHS-FDAAQSRVYQLMEQDSYTRFL 193

Qy 115 TSDIYLE 121
 Db 194 KSDIYLD 200

RESULT 6

US-09-498-959-2
 Sequence 2, Application US/09498959
 Patent No. 6410240
 GENERAL INFORMATION:
 APPLICANT: Hodge, Martin R.
 TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof
 FILE REFERENCE: 5800-19A
 CURRENT APPLICATION NUMBER: US/09/498,959
 CURRENT FILING DATE: 2000-02-04
 EARLIER APPLICATION NUMBER: US/09/244,314
 EARLIER FILING DATE: 1999-02-04
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 2
 LENGTH: 235
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-498-959-2

Query Match 29.2%; Score 186.5; DB 2; Length 235;
 Best Local Similarity 34.6%; Pred. No. 3.6e-15;
 Matches 44; Conservative 25; Mismatches 43; Indels 15; Gaps 3;

Qy 1 WTKSLHSLLGDGGAYLFRTEKCDTLDWFACNGFR----QMLKDTKTLRVA 54
 Db 83 WGESEFDKLHSLLRDGLAEFRTEKCDTLDWFACNGFR----QMLKDTKTLRVA 135

Qy 55 KAIKYRIIENNSVYVSKOLKPATKTYIRDGIKKQQIGSVMFDOAQTETQAVMEENAYQVFL 114
 Db 136 KAIYERFIQTDAPKEVNLDFTKEVITNSITOPTLHS-FDAAQSRVYQLMEQDSYTRFL 193

Qy 115 TSDIYLE 121
 Db 194 KSDIYLD 200

Db 194 KSDIYLD 200 Qy 121 EYV 123

RESULT 8 Db 200 HLI 202

US-09-244-314-4 ; Sequence 4, Application US/09244314

; GENERAL INFORMATION: ;

; APPLICANT: Hodge, Martin R. ;

; TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof ;

; FILE REFERENCE: 5800-19, 035800/174680 ;

; CURRENT APPLICATION NUMBER: US/09/244,314 ;

; CURRENT FILING DATE: 1999-02-04 ;

; NUMBER OF SEQ ID NOS: 4 ;

; SEQ ID NO: 4 ;

; LENGTH: 235 ;

; TYPE: PRT ;

; ORGANISM: Mus sp. ;

US-09-244-314-4

Query Match 27.8%; Score 177.5; DB 2; Length 235; Best Local Similarity 31.7%; Pred. No. 4.9e-14; Matches 39; Conservative 28; Mismatches 53; Indels 3; Gaps 2;

Qy 1 WTKSLHSLLGDQDGAYLFRTEKCVDTLDFWFACNGFROMNLKDTKTLRVAKAIYKR 60

Db 83 WAESFDKLSSRLHRDGVDATRFKEFSEENIEFWACEDFKCK-BPQQILKAKAIYEK 141

Qy 61 YIENNNSVSKQLKPATKTYIRDGIKKQIGSYMFDQATEIQAVMEEENAYQVFLTSIYL 120

Db 142 FIONDAPKEVNIDFHTKEVIAKSIAQOPTLHS--FDTAQSRVYQMLMHDSYKRFKSETYL 199

Qy 121 EYV 123

Db 200 HLI 202

RESULT 9 Db 200 HLI 202

US-09-498-959-4 ; Sequence 4, Application US/09498959

; GENERAL INFORMATION: ;

; APPLICANT: Hodge, Martin R. ;

; TITLE OF INVENTION: RGS-Containing Molecules and Uses ;

; FILE REFERENCE: 5800-19A ;

; CURRENT APPLICATION NUMBER: US/09/498,959 ;

; CURRENT FILING DATE: 2000-03-04 ;

; EARLIER APPLICATION NUMBER: 09/244,314 ;

; EARLIER FILING DATE: 1999-02-04 ;

; NUMBER OF SEQ ID NOS: 12 ;

; SOFTWARE: FastSEQ for Windows Version 3.0 ;

; SEQ ID NO: 4 ;

; LENGTH: 235 ;

; TYPE: PRT ;

; ORGANISM: Mus sp. ;

US-09-498-959-4

Query Match 27.8%; Score 177.5; DB 2; Length 235; Best Local Similarity 31.7%; Pred. No. 4.9e-14; Matches 39; Conservative 28; Mismatches 53; Indels 3; Gaps 2;

Qy 1 WTKSLHSLLGDQDGAYLFRTEKCVDTLDFWFACNGFROMNLKDTKTLRVAKAIYKR 60

Db 83 WAESFDKLSSRLHRDGVDATRFKEFSEENIEFWACEDFKCK-BPQQILKAKAIYEK 141

Qy 61 YIENNNSVSKQLKPATKTYIRDGIKKQIGSYMFDQATEIQAVMEEENAYQVFLTSIYL 120

Db 142 FIONDAPKEVNIDFHTKEVIAKSIAQOPTLHS--FDTAQSRVYQMLMHDSYKRFKSETYL 199

Qy 121 EYV 123

Db 200 HLI 202

RESULT 10 Db 200 HLI 202

US-09-894-749-4 ; Sequence 4, Application US/09894749

; GENERAL INFORMATION: ;

; APPLICANT: Hodge, Martin R. ;

; TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof ;

; FILE REFERENCE: 5800-19, 035800/174680 ;

; CURRENT APPLICATION NUMBER: US/09/894,749 ;

; CURRENT FILING DATE: 2001-06-27 ;

; PRIOR APPLICATION NUMBER: 09/244,314 ;

; PRIOR FILING DATE: 1999-02-04 ;

; NUMBER OF SEQ ID NOS: 4 ;

; SOFTWARE: PatentIn Ver. 2.0 ;

; SEQ ID NO: 4 ;

; LENGTH: 235 ;

; TYPE: PRT ;

; ORGANISM: Mus sp. ;

US-09-894-749-4

Query Match 27.8%; Score 177.5; DB 2; Length 235; Best Local Similarity 31.7%; Pred. No. 4.9e-14; Matches 39; Conservative 28; Mismatches 53; Indels 3; Gaps 2;

Qy 1 WTKSLHSLLGDQDGAYLFRTEKCVDTLDFWFACNGFROMNLKDTKTLRVAKAIYKR 60

Db 83 WAESFDKLSSRLHRDGVDATRFKEFSEENIEFWACEDFKCK-BPQQILKAKAIYEK 141

Qy 61 YIENNNSVSKQLKPATKTYIRDGIKKQIGSYMFDQATEIQAVMEEENAYQVFLTSIYL 120

Db 142 FIONDAPKEYVNIDFHTKEVIAKSIAQOPTLHS--FDTAQSRVYQMLMHDSYKRFKSETYL 199

Qy 121 EYV 123

Db 200 HLI 202

RESULT 11 Db 200 HLI 202

US-10-113-794A-2 ; Sequence 2, Application US/10113794A

; GENERAL INFORMATION: ;

; APPLICANT: Flanagan, et al. ;

; TITLE OF INVENTION: B-EPHRIN REGULATION OF G-PROTEIN COUPLED ;

; FILE REFERENCE: 2535/106 ;

; CURRENT APPLICATION NUMBER: US/10/113,794A ;

; CURRENT FILING DATE: 2002-04-01 ;

; NUMBER OF SEQ ID NOS: 6 ;

; SOFTWARE: FastSEQ for Windows Version 4.0 ;

; SEQ ID NO: 2 ;

; LENGTH: 519 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

US-10-113-794A-2

Query Match 27.0%; Score 172.5; DB 2; Length 519; Best Local Similarity 32.5%; Pred. No. 6e-13; Matches 40; Conservative 24; Mismatches 56; Indels 3; Gaps 2;

Qy 1 WTKSLHSLLGDQDGAYLFRTEKCVDTLDFWFACNGFROMNLKDTKTLRVAKAIYKR 60

Db 391 WGBSELECVLKVKGAVQFRTFESBENIEFWACEDFKCK-SOSKMSAKK1F 449

Qy 61 YIENNNSVSKQLKPATKTYIRDGIKKQIGSYMFDQATEIQAVMEEENAYQVFLTSIYL 120

Db 450 YIAIQACKEVNLDSTREHTKONL--OSVTRGCFDLAQKRFGLMEKDSYPRFLRSIYL 507

Qy 121 EYV 123
 Db 508 DLI 510

RESULT 12
 US-09-949-016-9918
 Sequence 9918, Application US/09949018
 Patent No. 6812339
 GENERAL INFORMATION:
 APPLICANT: VENTER, J. Craig et al.
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 FILE REFERENCE: CLOC1307
 CURRENT APPLICATION NUMBER: US/09/949, 016
 CURRENT FILING DATE: 2000-04-14
 PRIOR APPLICATION NUMBER: 60/241, 755
 PRIOR APPLICATION NUMBER: 60/237, 768
 PRIOR FILING DATE: 2000-10-03
 PRIOR APPLICATION NUMBER: 60/231, 498
 PRIOR FILING DATE: 2000-09-08
 NUMBER OF SEQ ID NOS: 207012
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 9918
 LENGTH: 520
 TYPE: PRT
 ORGANISM: Human
 US-09-949-016-9918

Query Match 27.0*; Score 172.5; DB 2; Length 520;
 Best Local Similarity 32.5*; Pred. No. 68-13; Mismatches 56; Indels 3; Gaps 2;
 Matches 40; Conservative 24; Mismatches 56; Indels 3; Gaps 2;

RESULT 14
 US-08-890-865A-11
 Sequence 11, Application US/08890865A
 Patent No. 6307019
 GENERAL INFORMATION:
 APPLICANT: Constantini, Franklin
 TITLE OF INVENTION: AXIN GENE AND USES THEREOF
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Cooper & Dunham LLP
 STREET: 1185 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: US
 ZIP: 10036

COMPILER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/890, 865A
 FILING DATE: 10-JUL-1997
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: White, John P
 REGISTRATION NUMBER: 28, 678
 REFERENCE/DOCKET NUMBER: 0575/54249
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 278-0400
 TELEFAX: (212) 391-0526
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 120 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: Protein

Qy 121 EYV 123
 Db 509 DLI 511

RESULT 13
 US-08-890-865A-13
 Sequence 13, Application US/08890865A
 Patent No. 6307019
 GENERAL INFORMATION:
 APPLICANT: Constantini, Franklin
 TITLE OF INVENTION: AXIN GENE AND USES THEREOF
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Cooper & Dunham LLP
 STREET: 1185 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: US
 ZIP: 10036

COMPILER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/890, 865A
 FILING DATE: 10-JUL-1997
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: White, John P
 REGISTRATION NUMBER: 28, 678
 REFERENCE/DOCKET NUMBER: 0575/54249
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 278-0400
 TELEFAX: (212) 391-0526
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 120 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: Protein

US-08-890-865A-11

Query Match 26.2%; Score 167.5; DB 2; Length 120;
 Best Local Similarity 32.8%; Pred. No. 3.6e-13;
 Matches 39; Conservative 20; Mismatches 5; Indels 3; Gaps 2;

Search completed: April 20, 2006, 15:32:31
 Job time : 11.277 SECs

RESULT 15

US-08-748-4483-4

Sequence 4, Application US/08748483

Patent No. 5955314

GENERAL INFORMATION:

APPLICANT: Hillman, Jennifer L.

TITLE OF INVENTION: A NOVEL REGULATOR OF CELL SIGNALLING

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: US

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/748,483

FILING DATE: Herewitch

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PP-0157 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-945-4166

TELEX:

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 211 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: GenBank

CLONE: 292037

US-08-748-4483-4

Query Match 26.2%; Score 167.5; DB 1; Length 211;

Best Local Similarity 32.8%; Pred. No. 7.6e-13;

Matches 39; Conservative 20; Mismatches 5; Indels 3; Gaps 2;

Search completed: April 20, 2006, 15:32:31
 Job time : 11.277 SECs

Qy 1 WTKSLHSLIGDODGAYLFLERKCYDTLDENFACNGFRQMLKDTKTLRVAKAYKR 60

Db 2 W\$EAFDELASKYGLAFAFLK\$EFCENIEFLACDFKTK-SPKLSSKARKYTD 60

Qy 61 YIENNNSVYVKQLKPAKTYIRDGKIKKQOIQGSVMFDOATEIQAVMEEENAYQVFLTSIY 119

Db 61 FIEKEAPKEINIDFQTKTLIAQNI-QEATSGCFTTAQKRVISLMENNNSYPRFLESERY 117

RESULT 16

US-08-748-4483-4

Sequence 4, Application US/08748483

Patent No. 5955314

GENERAL INFORMATION:

APPLICANT: Goli, Surya K.

TITLE OF INVENTION: A NOVEL REGULATOR OF CELL SIGNALLING

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: US

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/748,483

FILING DATE: Herewitch

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PP-0157 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-945-4166

TELEX:

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 211 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: GenBank

CLONE: 292037

US-08-748-4483-4

Query Match 26.2%; Score 167.5; DB 1; Length 211;

Best Local Similarity 32.8%; Pred. No. 7.6e-13;

Matches 39; Conservative 20; Mismatches 5; Indels 3; Gaps 2;

Search completed: April 20, 2006, 15:32:31
 Job time : 11.277 SECs

Qy 1 WTKSLHSLIGDODGAYLFLERKCYDTLDENFACNGFRQMLKDTKTLRVAKAYKR 60

Db 80 W\$EAFDELASKYGLAFAFLK\$EFCENIEFLACDFKTK-SPKLSSKARKYTD 138

Qy 61 YIENNNSVYVKQLKPAKTYIRDGKIKKQOIQGSVMFDOATEIQAVMEEENAYQVFLTSIY 119

Db 139 FIEKEAPKEINIDFQTKTLIAQNI-QEATSGCFTTAQKRVISLMENNNSYPRFLESERY 195

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 20, 2006, 15:57:53 ; Search time 42.7309 Seconds
(without alignments)
1202.714 Million cell updates/sec

Title: US-09-587-574-2

Perfect score: 639

Sequence: 1 WTKSLHSLIGDQGAYLFRT.....VMBENAYQVFLTSIYLEVY 123

Scoring table: BLOSUM62

Gapext 0.5

Searched: 1867569 seqs, 41782326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match First 45 summaries

Database : Published Applications AA Main:/*
1: /cgn2_6/_proddata/1/pubpaas/US07_PUBCOMB.pep:/*
2: /cgn2_6/_proddata/1/pubpaas/US08_PUBCOMB.pep:/*
3: /cgn2_6/_proddata/1/pubpaas/US10A_PUBCOMB.pep:/*
4: /cgn2_6/_proddata/1/pubpaas/US10B_PUBCOMB.pep:/*
5: /cgn2_6/_proddata/1/pubpaas/US10B_PUBCOMB.pep:/*
6: /cgn2_6/_proddata/1/pubpaas/US11_PUBCOMB.pep:/*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	624	97.7	843	5 US-10-723-860-1797	Sequence 1797, AP
2	624	97.7	843	5 US-10-751-736-116	Sequence 116, APP
3	420	65.7	842	3 US-09-798-831-8	Sequence 8, APP
4	401	62.8	461	4 US-10-786-720-34	Sequence 34, APP
5	401	62.8	826	4 US-10-786-720-36	Sequence 36, APP
6	401	62.8	862	4 US-10-786-720-35	Sequence 35, APP
7	401	62.8	900	4 US-10-174-979-91	Sequence 91, APP
8	401	62.8	900	4 US-10-182-936A-91	Sequence 91, APP
9	401	62.8	900	5 US-10-477-238A-670	Sequence 670, APP
10	401	62.8	900	5 US-10-180-267A-670	Sequence 670, APP
11	401	62.8	900	5 US-10-477-173-670	Sequence 670, APP
12	401	62.8	912	4 US-10-092-900A-270	Sequence 270, APP
13	186.5	29.2	227	3 US-09-067-550-848	Sequence 848, APP
14	186.5	29.2	235	3 US-09-094-749-2	Sequence 2, APP
15	186.5	29.2	235	4 US-10-258-371B-20	Sequence 20, APP
16	186.5	29.2	235	5 US-10-989-054-2	Sequence 2, APP
17	184.5	28.9	119	4 US-10-087-684-107	Sequence 107, APP
18	184.5	28.9	119	4 US-10-218-779-107	Sequence 13, APP
19	181.5	28.4	916	5 US-10-899-422-13	Sequence 11, APP
20	181.5	28.4	1059	5 US-10-899-422-11	Sequence 4, APP
21	177.5	27.8	235	3 US-09-094-749-4	Sequence 4, APP
22	177.5	27.8	235	5 US-10-989-054-4	Sequence 1650, APP
23	173.5	27.2	284	4 US-10-094-749-1650	Sequence 2, APP
24	172.5	27.0	519	4 US-10-113-744A-2	Sequence 14, APP
25	172.5	27.0	519	4 US-10-428-187-14	Sequence 28, APP
26	172.5	27.0	519	4 US-10-258-371B-28	Sequence 3907, APP
27	172.5	27.0	591	4 US-10-108-260A-3970	Sequence 3907, APP

ALIGNMENTS

RESULT 1
US-10-723-860-1797
; Sequence 1797, Application US/107233860
; Publication No. US2004025360A1
; GENERAL INFORMATION:
; APPLICANT: Azi, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Alvert
; TITLE OF INVENTION: Methods for Diagnosis of Soft Tissue Sarcoma, Compositions & Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882_0193.NPUS01
; CURRENT APPLICATION NUMBER: US10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIORITY APPLICATION NUMBER: 60/429,739
; PRIORITY FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1797
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-723-860-1797
Query Match 97.7%; Score 624; DB 5; Length 843;
Best Local Similarity 95.9%; Pred. No. 3,4e-60;
Matches 118; Conservative 4; Mismatches 0; Gaps 0;

Qy 1 WTKSLHSLIGDQGAYLFRTLERKCVDTLDFWFACNGFQMNLDKTKLVRKAYKR 60
Db 78 WTKSLHSLIGDQGAYLFRTLERKCVDTLDFWFACNGFQMNLDKTKLVRKAYKR 137

Qy 61 YIENNSVVSQKLPKTPKTYRDGIKKQQIGSVMFQDQATEQAVMBENAYQVFLTSIDYL 120
Db 138 YIENNSVVSQKLPKTPKTYRDGIKKQQIDSIMFQDQATEQVMBENAYQVFLTSIDYL 197

RESULT 2
US-10-751-736-116
; Sequence 116, Application US/10751736
; Publication No. US20040265230A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON

; TITLE OF INVENTION: CANCERS
 ; FILE REFERENCE: AMI00927 (031896-002000)
 ; CURRENT APPLICATION NUMBER: US/10/751,736
 ; CURRENT FILING DATE: 2003-01-06
 ; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
 ; PRIOR FILING DATE: 2003-01-06
 ; NUMBER OF SEQ ID NOS: 54873
 ; SOFTWARE: Patentin version 3.2
 ; SEQ ID NO: 116
 ; LENGTH: 843
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-751-736-116

Query Match 97.7%; Score 624; DB 5; Length 843;
 Best Local Similarity 95.9%; Pred. No. 3.4e-60;
 Matches 118; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WTKSLHSLIGDQDGAYLFRKPTFLEREKCVDTLDFNFACEGFRQMLKDTKTLRVAKAYKR 60
 Db 78 WTKSLHSLIGDQDGAYLFRKPTFLEREKCVDTLDFNFACEGFRQMLKDTKTLRVAKAYKR 137

Qy 61 YIENNIVSVSQLPKATKTYIRDGIKKQOIQGSVMPDQATEIQAVMEENAYQVFLTDYL 120
 Db 138 YIENNIVSVSQLPKATKTYIRDGIKKQOIDSIMPDQATEIQAVMEENAYQVFLTDYL 197

Qy 121 EYV 123
 Db 198 EYV 200

RESULT 3

US-09-798-831-8
 ; Sequence B, Application US/09798831
 ; Patent No. US20010052137A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KLEIN, Peter S.
 ; TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOCEN
 ; TITLE OF INVENTION: SIGNALING
 ; FILE REFERENCE: 200596.0391/306U1
 ; CURRENT APPLICATION NUMBER: US/09/798,831
 ; CURRENT FILING DATE: 2001-03-01
 ; PRIOR APPLICATION NUMBER: US 60/186,141
 ; PRIOR FILING DATE: 2000-03-01
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO: 8
 ; LENGTH: 842
 ; TYPE: PRT
 ; ORGANISM: Xenopus laevis
 ; US-09-798-831-8

Query Match 65.7%; Score 420; DB 3; Length 842;
 Best Local Similarity 61.1%; Pred. No. 1.6e-37;
 Matches 77; Conservative 25; Mismatches 20; Indels 4; Gaps 2;

Qy 1 WTKSLHSLIGDQDGAYLFRKPTFLEREKCVDTLDFNFACEGFRQMLKDTKTLRVAKAYKR 57
 Db 85 WAESLHSLIDDDQDGITHLFLQOBNCALLDFNFACEGFRKLEPNSKVERKLKAAI 144

Qy 58 YKRYI-ENNSVSVSQLPKATKTYIRDGIKKQOIQGSVMPDQATEIQAVMEENAYQVFLTS 116
 Db 145 YKKYVLDNGIVSRQIKPATKSF1KDCVLRQQIDPAMPDQAEQIOMSNEMDNTYPVFLKS 204

Qy 117 DIVLEY 122
 Db 205 DIVLEY 210

; Publication No. US20040191818A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wyeth
 ; APPLICANT: O'Toole, Margot
 ; APPLICANT: Liu, Wei
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
 ; FILE REFERENCE: 031896-03000 (AMI01331L)
 ; CURRENT APPLICATION NUMBER: US/10/786,720
 ; CURRENT FILING DATE: 2004-02-26
 ; NUMBER OF SEQ ID NOS: 21135
 ; SOFTWARE: Patentin version 3.2
 ; SEQ ID NO: 34
 ; LENGTH: 461
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-786-720-34

Query Match 62.8%; Score 401; DB 4; Length 461;
 Best Local Similarity 62.7%; Pred. No. 9.7e-36;
 Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

Qy 1 WTKSLHSLIGDQDGAYLFRKPTFLEREKCVDTLDFNFACEGFRQMLKDTKTLRVAKAYKR 57
 Db 134 WAESLHSLIDDDQDISLFRTEQLEGGADLDFWFACTGFRKLEPSCDSNEEKRLKAAI 193

Qy 58 YKRYI-ENNSVSVSQLPKATKTYIRDGIKKQOIQGSVMPDQATEIQAVMEENAYQVFLTS 116
 Db 194 YRKVILDNRNGIVSRQTKPATKSF1KGCMKQOLIDPAMEDQQTETIQATMEENTYPSFLKS 253

Qy 117 DIVLEY 122
 Db 254 DIVLEY 259

RESULT 5

US-10-786-720-36
 ; Sequence 36, Application US/10786720
 ; Publication No. US20040191818A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wyeth
 ; APPLICANT: O'Toole, Margot
 ; APPLICANT: Liu, Wei
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
 ; FILE REFERENCE: 031896-03000 (AMI01331L)
 ; CURRENT APPLICATION NUMBER: US/10/786,720
 ; CURRENT FILING DATE: 2004-02-26
 ; NUMBER OF SEQ ID NOS: 21135
 ; SOFTWARE: Patentin version 3.2
 ; SEQ ID NO: 36
 ; LENGTH: 826
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-786-720-36

Query Match 62.8%; Score 401; DB 4; Length 826;
 Best Local Similarity 62.7%; Pred. No. 2e-35;
 Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

Qy 1 WTKSLHSLIGDQDGAYLFRKPTFLEREKCVDTLDFNFACEGFRQMLKDTKTLRVAKAYKR 57
 Db 85 WAESLHSLIDDDQDISLFRTEQLEGGADLDFWFACTGFRKLEPSCDSNEEKRLKAAI 144

Qy 58 YKRYI-ENNSVSVSQLPKATKTYIRDGIKKQOIQGSVMPDQATEIQAVMEENAYQVFLTS 116
 Db 145 YRKVILDNRNGIVSRQTKPATKSF1KGCMKQOLIDPAMEDQQTETIQATMEENTYPSFLKS 204

Qy 117 DIVLEY 122
 Db 205 DIVLEY 210

RESULT 4

US-10-786-720-34
 ; Sequence 34, Application US/10786720

RESULT 6
 US-10-786-720-35
 Sequence 35, Application US/10786720
 Publication No. US20040191818A1
 GENERAL INFORMATION:
 APPLICANT: Wyeth
 APPLICANT: O'Toole, Margot
 APPLICANT: Liu, Wei
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE DISEASES
 FILE REFERENCE: 031896023000 (AM101331L)
 CURRENT FILING DATE: 2004-02-26
 NUMBER OF SEQ ID NOS: 21135
 SEQ ID NO: 35
 LENGTH: 862
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-786-720-35

Query Match 62.8%; Score 401; DB 4; Length 862;
 Best Local Similarity 62.7%; Pred. No. 2.1e-35; Indels 4; Gaps 2;
 Matches 79; Conservative 17; Mismatches 26;

Qy 1 WTKSLHSLGLDQGAYLFRTEKCDTIDFWFACNGFRQMNLDKT--KTLRVAKAI 57
 Db 85 WAESLHSLLDDQGISLFRTEKCDLDFWFACTGFRKLEPCDSNEEKRKLARA1 144

Qy 58 YKRYI-ENNSVSKQLKPATKTYIRDGIKKQOIGSYMFQDQATEIQAVMEENAYQVELT 116
 Db 145 YKRYIILONGTIVSRQTKRATSKFKGCTMKQLIDPANEQDQATEIQAVMEENTYPSFLKS 204

Qy 117 DILEY 122
 Db 205 DILEY 210

RESULT 7
 US-10-374-979-91
 Sequence 91, Application US/10374979
 Publication No. US20030219793A1
 GENERAL INFORMATION:
 APPLICANT: John P. Carulli et al.
 TITLE OF INVENTION: THE HIGH BONE MASS GENE OF 11q13.3
 FILE REFERENCE: 032796-021
 CURRENT FILING DATE: 2003-03-04
 PRIOR APPLICATION NUMBER: US 09/544,398
 PRIOR FILING DATE: 2000-04-05
 PRIOR APPLICATION NUMBER: US 09/543,771
 PRIOR FILING DATE: 2000-04-05
 PRIOR APPLICATION NUMBER: US 09/229,319
 PRIOR FILING DATE: 1998-01-13
 PRIOR APPLICATION NUMBER: US 60/071,449
 PRIOR FILING DATE: 1998-01-13
 NUMBER OF SEQ ID NOS: 109
 SEQ ID NO: 91
 LENGTH: 900
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-374-979-91

Query Match 62.8%; Score 401; DB 4; Length 900;
 Best Local Similarity 62.7%; Pred. No. 2.3e-35; Indels 4; Gaps 2;
 Matches 79; Conservative 17; Mismatches 26;

Qy 1 WTKSLHSLGLDQGAYLFRTEKCDTIDFWFACNGFRQMNLDKT--KTLRVAKAI 57
 Db 122 WAESLHSLLDDQGISLFRTEKCDLDFWFACTGFRKLEPCDSNEEKRKLARA1 181

Qy 58 YKRYI-ENNSVSKQLKPATKTYIRDGIKKQOIGSYMFQDQATEIQAVMEENAYQVELT 116
 Db 182 YKRYIILONGTIVSRQTKRATSKFKGCTMKQLIDPANEQDQATEIQAVMEENTYPSFLKS 241

RESULT 9
 US-10-477-238A-670
 Sequence 670, Application US/10477238A
 Publication No. US2004021326A1
 GENERAL INFORMATION:
 APPLICANT: Babi, Philip
 APPLICANT: Yaworsky, Paul
 APPLICANT: Bex, Frederick J. III
 APPLICANT: Bodine, Peter Van Nest
 TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
 FILE REFERENCE: 032796-212
 CURRENT FILING DATE: 2003-11-10
 PRIOR APPLICATION NUMBER: US 60/477,238A
 PRIOR FILING DATE: 2003-11-10
 PRIOR APPLICATION NUMBER: US 60/290,071
 PRIOR FILING DATE: 2001-05-11
 PRIOR APPLICATION NUMBER: US 60/291,311

; PRIOR FILING DATE: 2001-05-17
 ; PRIOR APPLICATION NUMBER: US 60/353,058
 ; PRIOR FILING DATE: 2000-02-01
 ; PRIOR APPLICATION NUMBER: US 60/361,293
 ; PRIOR FILING DATE: 2002-03-04
 ; NUMBER OF SEQ ID NOS: 812
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 670
 ; LENGTH: 900
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-477-238A-670

Query Match 62.8%; Score 401; DB 5; Length 900;
 Best Local Similarity 62.7%; Pred. No. 2, 3e-35;
 Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

Qy 1 WTKSHSLQGDQGAYLFTFLEREKCVDTLDFMFACTGFROMNLKD T--KTLRVAKAI 57
 Db 122 WAESLHSLLDDQDGISLFRFLQEGCADCILDFMFACTFRKLQEPCDNSNEERKLKLAII 181

Qy 58 YKRYI-ENNSVSVSKOLPKATKTYIRDGKIKKQOIQGSVMPMDQAOETIQYMEENAYQVFLTS 116
 Db 182 YRKYILDANGIVSRQTKPATKSFIKGCTIMKQOLIDPAMFDQAOETIQYMEENTYPSFLKS 241

Qy 117 DIVLEY 122
 Db 242 DIVLEY 247

RESULT 10
 US-10-680-287A-670
 ; Sequence 670, Application US/10680287A
 ; Publication No. US20040244069A1
 ; GENERAL INFORMATION:
 ; FILE REFERENCE: 032/96-179
 ; CURRENT FILING DATE: 2003-10-08
 ; PRIOR APPLICATION NUMBER: PCT/US02/14876
 ; PRIOR FILING DATE: 2002-05-13
 ; PRIOR APPLICATION NUMBER: US 60/680,287A
 ; PRIOR FILING DATE: 2001-05-11
 ; PRIOR APPLICATION NUMBER: US 60/291,311
 ; PRIOR FILING DATE: 2001-05-17
 ; PRIOR APPLICATION NUMBER: US 60/353,058
 ; PRIOR APPLICATION NUMBER: US 60/361,293
 ; PRIOR FILING DATE: 2002-03-04
 ; NUMBER OF SEQ ID NOS: 812
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 670
 ; LENGTH: 900
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-10-680-287A-670

Query Match 62.8%; Score 401; DB 5; Length 900;
 Best Local Similarity 62.7%; Pred. No. 2, 3e-35;
 Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

Qy 1 WTKSHSLQGDQGAYLFTFLEREKCVDTLDFMFACTGFROMNLKD T--KTLRVAKAI 57
 Db 122 WAESLHSLLDDQDGISLFRFLQEGCADCILDFMFACTFRKLQEPCDNSNEERKLKLAII 181

Qy 58 YKRYI-ENNSVSVSKOLPKATKTYIRDGKIKKQOIQGSVMPMDQAOETIQYMEENAYQVFLTS 116
 Db 182 YRKYILDANGIVSRQTKPATKSFIKGCTIMKQOLIDPAMFDQAOETIQYMEENTYPSFLKS 241

Qy 117 DIVLEY 122
 Db 242 DIVLEY 247

RESULT 11
 US-10-477-173-670
 ; Sequence 670, Application US/10477173
 ; GENERAL INFORMATION:
 ; FILE REFERENCE: 032796-135
 ; CURRENT FILING DATE: 2003-11-10
 ; PRIOR APPLICATION NUMBER: US 60/290,071
 ; PRIOR FILING DATE: 2001-05-11
 ; PRIOR APPLICATION NUMBER: US 60/291,311
 ; PRIOR FILING DATE: 2001-05-17
 ; PRIOR APPLICATION NUMBER: US 60/353,058
 ; SEQ ID NO: 670
 ; LENGTH: 900
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-10-477-173-670

Query Match 62.8%; Score 401; DB 5; Length 900;
 Best Local Similarity 62.7%; Pred. No. 2, 3e-35;
 Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

Qy 1 WTKSHSLQGDQGAYLFTFLEREKCVDTLDFMFACTGFROMNLKD T--KTLRVAKAI 57
 Db 122 WAESLHSLLDDQDGISLFRFLQEGCADCILDFMFACTFRKLQEPCDNSNEERKLKLAII 181

Qy 58 YKRYI-ENNSVSVSKOLPKATKTYIRDGKIKKQOIQGSVMPMDQAOETIQYMEENAYQVFLTS 116
 Db 182 YRKYILDANGIVSRQTKPATKSFIKGCTIMKQOLIDPAMFDQAOETIQYMEENTYPSFLKS 241

Qy 117 DIVLEY 122
 Db 242 DIVLEY 247

RESULT 12
 US-10-992-900A-270
 ; Sequence 270, Application US/1009290A
 ; GENERAL INFORMATION:
 ; FILE REFERENCE: 032/96-179
 ; CURRENT FILING DATE: 2003-10-08
 ; PRIOR APPLICATION NUMBER: PCT/US02/14876
 ; PRIOR FILING DATE: 2002-05-13
 ; PRIOR APPLICATION NUMBER: US 60/680,287A
 ; PRIOR FILING DATE: 2001-05-11
 ; PRIOR APPLICATION NUMBER: US 60/291,311
 ; PRIOR FILING DATE: 2001-05-17
 ; PRIOR APPLICATION NUMBER: US 60/353,058
 ; PRIOR APPLICATION NUMBER: US 60/361,293
 ; PRIOR FILING DATE: 2002-03-04
 ; NUMBER OF SEQ ID NOS: 812
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 670
 ; LENGTH: 900
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-10-992-900A-270

Query Match 62.8%; Score 401; DB 5; Length 900;
 Best Local Similarity 62.7%; Pred. No. 2, 3e-35;
 Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

Qy 1 WTKSHSLQGDQGAYLFTFLEREKCVDTLDFMFACTGFROMNLKD T--KTLRVAKAI 57
 Db 122 WAESLHSLLDDQDGISLFRFLQEGCADCILDFMFACTFRKLQEPCDNSNEERKLKLAII 181

Qy 58 YKRYI-ENNSVSVSKOLPKATKTYIRDGKIKKQOIQGSVMPMDQAOETIQYMEENAYQVFLTS 116
 Db 182 YRKYILDANGIVSRQTKPATKSFIKGCTIMKQOLIDPAMFDQAOETIQYMEENTYPSFLKS 241

APPLICANT: Vernet, Corine A. M.
 APPLICANT: Guo, Xiaojaia Sastia
 APPLICANT: Tchernov, Velizar T.
 APPLICANT: Fernandes, Elma R.
 APPLICANT: Casman, Stacie J.
 APPLICANT: Malyankar, Uriel M.
 APPLICANT: Gerlach, Valerie M.
 APPLICANT: Liu, Yi
 APPLICANT: Anderson, Steven W.
 APPLICANT: Spadera, Steven K.
 APPLICANT: Catterton, Elina
 APPLICANT: Leite, Mario W.
 APPLICANT: Zhong, Haihong
 APPLICANT: Alsobrook, John P.
 APPLICANT: Lepley, Denise M.
 APPLICANT: Rieger, Daniel K.
 APPLICANT: Burgess, Catherine E.
 TITLE OF INVENTION: No. US20040043382A1 **el** Proteins and Nucleic Acids Encoding Same
 CURRENT APPLICATION NUMBER: US/10/092,900A
 CURRENT FILING DATE: 2002-03-07
 CURRENT PRIOR APPLICATION NUMBER: US/10/092,900A
 CURRENT PRIOR FILING DATE: 2002-03-07
 PRIOR APPLICATION NUMBER: US/001-03-08
 PRIOR FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: US/001-04-13
 PRIOR FILING DATE: 2001-04-13
 PRIOR APPLICATION NUMBER: US/001-12-03
 PRIOR FILING DATE: 2001-12-03
 PRIOR APPLICATION NUMBER: US/001-03-08
 PRIOR FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: US/001-03-08
 PRIOR FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: US/001-03-08
 PRIOR FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: US/001-07-10
 PRIOR FILING DATE: 2001-07-10
 PRIOR APPLICATION NUMBER: US/001-03-30
 PRIOR FILING DATE: 2001-03-30
 PRIOR APPLICATION NUMBER: US/001-05-31
 PRIOR FILING DATE: 2001-05-31
 PRIOR APPLICATION NUMBER: US/001-04-30
 PRIOR FILING DATE: 2001-04-30
 NUMBER OF SEQ ID NOS: 768
 SEQ ID NO: 270
 LENGTH: 912
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-092-900A-270

Query Match 62.8%; Score 401; DB 4; Length 912;
 Best Local Similarity 62.4%; Pred. No. 2.3e-15;
 Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

Db 134 WAEGLSLSLDDQDGSLSLFRTPLKQEGGADLILDFWFACGPFKLECDNSNEEKRKLKRAI 193

Query Match 58 YKRYI-BNSVSVSKOLPKPATKTYIRDGKQOIGSYMFDOAQTEIAVMEEENAYQFLTS 116
 Best Local Similarity 57.9%; Pred. No. 2.3e-15;
 Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

Db 194 YKRYIYDNGIYSRQITPATNSPIKGCGMKOLIDPAMFDQAOQTEIAQATMEENTYPSFLKS 253

Query Match 62.8%; Score 401; DB 4; Length 912;
 Best Local Similarity 62.4%; Pred. No. 2.3e-15;
 Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

Db 117 DYLEY 122
 Db 254 DYLEY 259

RESULT 13-
 Sequence 848, Application US/09867550
 Patent No. US20040082206A1
 GENERAL INFORMATION:
 APPLICANT: Leach, Martin D.
 APPLICANT: Mehraban, Fuad,

RESULT 15
US-10-258-371B-20
Sequence 20, Application US/10258371B
Publication No. US20040067903A1
GENERAL INFORMATION:
APPLICANT: WILLIAMS-GAGNON, Alison
APPLICANT: MURRAY, DAVID L
TITLE OF INVENTION: NUCLEAR ACIDS ENCODING A NOVEL REGULATOR OF G PROTEIN SIGNALING,
FILE REFERENCE: A3656 US PCT
CURRENT APPLICATION NUMBER: US/10/258-371B
CURRENT FILING DATE: 2003-06-04
PRIOR APPLICATION NUMBER: GB01883.334
PRIOR FILING DATE: 2000-08-02
PRIOR APPLICATION NUMBER: US60/200,786
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 20
LENGTH: 235
TYPE: PRT
ORGANISM: Homo sapiens
US-10-258-371B-20

Query Match 29.2%; Score 186.5; DB 4; Length 235;
Best Local Similarity 34.6%; Pred. No. 2.9e-12; Gaps 3;
Matches 44; Conservative 25; Mismatches 43; Indels 15;

Qy	1	WTKSLHSILGDQGAYLRTFLEREKCVDTLDWFACNGFR-----QMNLDKDTKTLRVA 54
Db	83	WGESPDKLSHRGLEARTRFLKTEFSEENIEFWIAEDFKSKGPQQIHLK-----A 135
Qy	55	KALYKRYENNSVSKOLKPATKTYIRGIRKKOQIGSMFDOQATEIQAIVMENAYQVFL 114
Db	136	KAYEKF1QTDAPKEVNLDFTKKEVITNSITQPTLHS -FDAAQSRVYQLMEQDSYTRFL 193
Qy	115	TSIYLE 121
Db	194	KSDIYLD 200

Search completed: April 20, 2006, 16:06:45
Job time : 43.7309 secs

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 1 protein - protein search, using sw model
 run on: April 20, 2006, 16:00:23 : Search time 6.8153 Seconds
 (without alignments)
 794.148 Million cell updates/sec
 title: US-09-587-574-2
 perfect score: 639
 sequence: 1 WTKSHSLIGDQDGAYLFRTRT...VMEENAYQVFLTSIDYLEXYV 123
 scoring table: BLOSUM62
 Gapext 0.0 , Gapext 0.5
 searched: 225428 seqs, 44002918 residues
 Sequence 11-188-298-2708
 Sequence 1735, Ap
 Sequence 106, Ap
 Sequence 1604, Ap
 Sequence 40, App1
 Sequence 1390, Ap
 Sequence 912, Ap
 Sequence 27554, A
 Sequence 27553, A
 Sequence 27552, A
 Sequence 31249, A
 Sequence 31248, A
 Sequence 31247, A
 Sequence 16, App1
 Sequence 12890, A
 Sequence 50, App1
 Sequence 1528, Ap
 Sequence 28741, A
 Sequence 28740, A

ALIGNMENTS

RESULT 1						
US-10-501-035-215						Sequence 2.15, Application US/10501035
; Publication No. US20060046249A1						GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company						APPLICANT: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PROTEIN TYROSINE KINASE PATHWAYS
; TITLE OF INVENTION: IDENTIFICATION OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE PATHWAYS						TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE PATHWAYS
; TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS						TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS
; FILE REFERENCE: DOI:185 PCT						FILE REFERENCE: DOI:185 PCT
; CURRENT APPLICATION NUMBER: US/10/501,035						CURRENT APPLICATION NUMBER: US/10/501,035
; CURRENT FILING DATE: 2004-07-09						CURRENT FILING DATE: 2004-07-09
; PRIORITY APPLICATION NUMBER: US 60/350,061						PRIORITY APPLICATION NUMBER: US 60/350,061
; PRIORITY FILING DATE: 2002-01-18						PRIORITY FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 795						NUMBER OF SEQ ID NOS: 795
; SOFTWARE: Patentin version 3.2						SOFTWARE: Patentin version 3.2
; SEQ ID NO: 215						SEQ ID NO: 215
; LENGTH: 900						LENGTH: 900
; TYPE: PRT						TYPE: PRT
; ORGANISM: Homo sapiens						ORGANISM: Homo sapiens
US-10-501-035-215						US-10-501-035-215
RESULT 2						
US-10-501-035-208						Sequence 2.15, Application US/10501035
; Publication No. US20060046249A1						GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company						APPLICANT: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PROTEIN TYROSINE KINASE PATHWAYS
; TITLE OF INVENTION: IDENTIFICATION OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE PATHWAYS						TITLE OF INVENTION: IDENTIFICATION OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE PATHWAYS
; TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS						TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS
; FILE REFERENCE: DOI:185 PCT						FILE REFERENCE: DOI:185 PCT
; CURRENT APPLICATION NUMBER: US/10/501,035						CURRENT APPLICATION NUMBER: US/10/501,035
; CURRENT FILING DATE: 2004-07-09						CURRENT FILING DATE: 2004-07-09
; PRIORITY APPLICATION NUMBER: US 60/350,061						PRIORITY APPLICATION NUMBER: US 60/350,061
; PRIORITY FILING DATE: 2002-01-18						PRIORITY FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 795						NUMBER OF SEQ ID NOS: 795
; SOFTWARE: Patentin version 3.2						SOFTWARE: Patentin version 3.2
; SEQ ID NO: 215						SEQ ID NO: 215
; LENGTH: 900						LENGTH: 900
; TYPE: PRT						TYPE: PRT
; ORGANISM: Homo sapiens						ORGANISM: Homo sapiens
US-10-501-035-215						US-10-501-035-215
SUMMARIES						
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.						
SUMMARY						
Result No.	Score	Query Match	Length	DB ID	Description	
1	401	62.8	900	6	US-10-501-035-215	Sequence 215, APP
2	167.5	26.2	211	6	US-10-501-035-208	Sequence 208, APP
3	167.5	26.2	211	7	US-11-169-041-234	Sequence 234, APP
4	74.5	11.7	662	7	US-11-137-131-2	Sequence 2, APP
5	74.5	11.7	662	7	US-11-137-131-4	Sequence 4, APP
6	71.5	11.2	285	7	US-11-096-568A-3946	Sequence 3946, AP
7	71.5	11.2	344	7	US-11-096-568A-3945	Sequence 3945, AP
8	70.5	11.1	689	7	US-11-113-424-46	Sequence 46, APP
9	70.5	11.0	691	7	US-11-098-10183	Sequence 10183, A
10	70	11.0	430	7	US-11-079-467-7120	Sequence 7120, AP
11	70	11.0	559	7	US-11-168-298-20062	Sequence 20062, A
12	70	11.0	688	7	US-11-113-424-49	Sequence 49, APP
13	70	11.0	688	7	US-11-040-218-25	Sequence 25, APP
14	69.5	10.9	247	7	US-11-096-568A-3947	Sequence 3947, AP
15	69	10.8	312	6	US-11-506-454-1069	Sequence 1069, AP
16	69	10.8	459	7	US-11-145-004-835	Sequence 835, APP
17	69	10.8	688	7	US-11-113-424-48	Sequence 48, APP
18	69	10.8	688	7	US-11-040-218-27	Sequence 27, APP
19	69	10.8	1032	6	US-10-467-657-3278	Sequence 3278, AP
20	68	10.6	395	7	US-11-188-298-1015	Sequence 10115, A
21	67	10.5	230	7	US-11-098-14668	Sequence 10988, A
22	67	10.5	868	7	US-11-079-467-8350	Sequence 8350, AP
23	66.5	10.4	656	7	US-11-079-463-7123	Sequence 7123, AP
24	66.5	10.4	753	7	US-11-188-298-14684	Sequence 14684, A
25	66	10.3	300	7	US-11-045-004-1489	Sequence 1489, AP

FILE REFERENCE: D0185 PCT
 CURRENT APPLICATION NUMBER: US/10/501,035
 CURRENT FILING DATE: 2004-07-09
 PRIOR APPLICATION NUMBER: US 60/350,061
 PRIOR FILING DATE: 2000-01-18
 NUMBER OF SEQ ID NOS: 795
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 208
 LENGTH: 211
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-501-035-208

Query Match 26.2%; Score 167.5; DB 7; Length 211;
 Best Local Similarity 32.8%; Pred. No. 1.e-10;
 Matches 39; Conservative 20; Mismatches 57; Indels 3; Gaps 2;

Qy 1 WTKSLHSIIGDQDGAYLFRTFLEREKCYVDTLDFWFA�CFROMNLKDTPKTRVAKAYKR 60
 Db 80 WSEADEFLLASKYGLAFAFLKSEFCEENIEFLACEDFKCTK-SPQKLSSKARYTD 138

Qy 61 YIENNSVVKQLPKPATKTYRDGKIKKQOQISVMDQATEIQAVMEENAYQVPLTSIDY 119
 Db 139 FIEKEAPPKINIDEFQTKTLIAQNI--QEATSGCPTTAQKRVYSLMENNNSYPRFLESEFY 195

RESULT 3
 US-11-169-041-234
 Sequence 234, Application US/11169041
 Publication No. US200600019284A1

GENERAL INFORMATION:
 APPLICANT: Bristol-Myers Squibb Company
 TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES FOR PREDICTING ACTIVITY OF COMPOUNDS THAT INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE KINASES AND/OR PROTEIN TYROSINE KINASE PATHWAYS IN LUNG CANCER
 TITLE OF INVENTION: CELLS
 FILE REFERENCE: 10001 NP
 CURRENT APPLICATION NUMBER: US/11/169,041
 CURRENT FILING DATE: 2005-06-28
 PRIOR APPLICATION NUMBER: 2004-06-30
 PRIOR FILING DATE: 2004-06-30
 NUMBER OF SEQ ID NOS: 527
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 234
 LENGTH: 211
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-11-169-041-234

Query Match 26.2%; Score 167.5; DB 7; Length 211;
 Best Local Similarity 32.8%; Pred. No. 1.e-10;
 Matches 39; Conservative 20; Mismatches 57; Indels 3; Gaps 2;

Qy 1 WTKSLHSIIGDQDGAYLFRTFLEREKCYVDTLDFWFA�CFROMNLKDTPKTRVAKAYKR 60
 Db 80 WSEADEFLLASKYGLAFAFLKSEFCEENIEFLACEDFKCTK-SPQKLSSKARYTD 138

Qy 61 YIENNSVVKQLPKPATKTYRDGKIKKQOQISVMDQATEIQAVMEENAYQVPLTSIDY 119
 Db 139 FIEKEAPPKINIDEFQTKTLIAQNI--QEATSGCPTTAQKRVYSLMENNNSYPRFLESEFY 195

RESULT 4
 US-11-137-131-2
 Sequence 2, Application US/11137131
 Publication No. US200600019284A1

GENERAL INFORMATION:
 APPLICANT: Braun, A.
 TITLE OF INVENTION: POLYMORPHIC KINASE ANCHOR PROTEINS AND NUCLEIC ACIDS ENCODING THE SAME
 FILE REFERENCE: 24736-2015
 CURRENT APPLICATION NUMBER: US/11/137,131
 CURRENT FILING DATE: 2005-05-24
 PRIOR APPLICATION NUMBER: US/09/834,700
 PRIOR FILING DATE: 2001-04-12
 PRIOR APPLICATION NUMBER: 60/217,251
 PRIOR FILING DATE: 2000-07-10
 PRIOR APPLICATION NUMBER: 60/240,335
 PRIOR FILING DATE: 2000-10-13
 NUMBER OF SEQ ID NOS: 25
 SOFTWARE: Fastseq For Windows Version 4.0
 SEQ ID NO: 4
 LENGTH: 662
 TYPE: PRT
 ORGANISM: Homo Sapiens
 US-11-137-131-4

Query Match 11.7%; Score 74.5; DB 7; Length 662;
 Best Local Similarity 21.4%; Pred. No. 5.7;
 Matches 25; Mismatches 67; Indels 11; Gaps 4;

Qy 2 TKSILHSIIGDQDGAYLFRTFLEREKCYVDTLDFWFA�CFROMNLKDTPKTRVAK 55
 Db 377 TIVYIADLIFCESAFYFSYMEKDAVNLFQWNAADNFQSOQLAKKGQYDGOAQNNDM 436

Qy 56 AIYKRYIENNSVVKQLPKPATKTYRDGKIKKQOQISVMDQATEIQAVMEENAYQV 112
 Db 437 ILYDKYPSLQATHPLGFDDVVRLEIESNICRE-GGPLPNCFITPLRQAWTMEKVFLPG 494

Qy 113 FLTSIDILEYV 123
 Db 495 FLSSNLVYKYL 505

RESULT 6
 US-11-096-568A-3946
 Publication 3946, Application US/11096568A
 Publication No. US20060048240A1
 GENERAL INFORMATION:
 APPLICANT: Alexandrov, Nickolai et al.
 TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
 TITLE OF INVENTION: Therry
 FILE REFERENCE: 2750-1592PUS2
 CURRENT APPLICATION NUMBER: US/11/096, 568A
 CURRENT FILING DATE: 2005-04-01
 NUMBER OF SEQ ID NOS: 34471
 SEQ ID NO 3946
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Glycine max
 FEATURE: misc_feature
 NAME/KEY: misc_feature
 LOCATION: (1). (25)
 OTHER INFORMATION: Ceres Seq. ID no. 13594271
 US-11-096-568A-3946

Query Match 11.2%; Score 71.5; DB 7; Length 285;
 Best Local Similarity 27.3%; Pred. No. 4.1;
 Matches 30; Conservative 16; Mismatches 41; Indels 23; Gaps 5;
 Qy 11 DODGAYLFRTFLEKCVDTLDFWFGNGFRQMLKDTKTLRVAKAIYKRYIENNNSVSK 70
 Db 30 DADG-YLRKMLEG-----CCNGVEGVNLK-----ITNEKISNSMCLYL 68
 Qy 71 QLKPATKTYIRDGIKKCQIGSYMFDQACTEIQAVMEENAYQVFLTS-DIY 119
 Db 69 DWNPSA-TSITVGLSDGSVSVFLESKLEIQEWKAHDYELWTTSPDIH 117

Query Match 11.1%; Score 71; DB 7; Length 689;
 Best Local Similarity 20.4%; Pred. No. 14;
 Matches 23; Conservative 33; Mismatches 51; Indels 6; Gaps 4;
 Qy 14 GAYLFRFTL--BREKCVDTLDFWFGNGFRQMLKDTKTLRVAKAIYKRYIENNNSVSK 71
 Db 64 GYLFRFCLNMEAKPLVPEDEIKYKEKLDSEERTVK-SREIDPLYTMKELLSCH 122

Query Match 11.1%; Score 71; DB 7; Length 689;
 Best Local Similarity 20.4%; Pred. No. 14;
 Matches 23; Conservative 33; Mismatches 51; Indels 6; Gaps 4;
 Qy 14 GAYLFRFTL--BREKCVDTLDFWFGNGFRQMLKDTKTLRVAKAIYKRYIENNNSVSK 71
 Db 64 GYLFRFCLNMEAKPLVPEDEIKYKEKLDSEERTVK-SREIDPLYTMKELLSCH 122

RESULT 7
 US-11-096-568A-3945
 Sequence 3945, Application US/11096568A
 Publication No. US20060048240A1
 GENERAL INFORMATION:
 APPLICANT: Alexandrov, Nickolai et al.
 TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
 TITLE OF INVENTION: Therry
 FILE REFERENCE: 2750-1592PUS2
 CURRENT APPLICATION NUMBER: US/11/096, 568A
 NUMBER OF SEQ ID NOS: 34471
 SEQ ID NO 3945
 LENGTH: 344
 TYPE: PRT
 ORGANISM: Glycine max
 FEATURE: misc_feature
 NAME/KEY: misc_feature
 LOCATION: (1). (344)
 OTHER INFORMATION: Ceres Seq. ID no. 13594271
 US-11-096-568A-3945

Query Match 11.2%; Score 71.5; DB 7; Length 344;
 Best Local Similarity 27.3%; Pred. No. 5.2;
 Matches 30; Conservative 16; Mismatches 41; Indels 23; Gaps 5;
 Qy 11 DODGAYLFRTFLEKCVDTLDFWFGNGFRQMLKDTKTLRVAKAIYKRYIENNNSVSK 70
 Db 89 DADG-YLRKMLEG-----CCNGVEGVNLK-----ITNEKISNSMCLYL 127

Query Match 11.0%; Score 70.5; DB 7; Length 691;
 Best Local Similarity 22.2%; Pred. No. 16;
 Matches 22; Conservative 18; Mismatches 34; Indels 25; Gaps 4;
 Qy 71 QLKPATKTYIRDGIKKCQIGSYMFDQACTEIQAVMEENAYQVFLTS-DIY 119
 Db 128 DWNPSA-TSITVGLSDGSVSVFLESKLEIQEWKAHDYELWTTSPDIH 176

RESULT 8
 US-11-113-424-46
 Sequence 46, Application US/11113424

Qy 26 KCVDLDFWFACTNGFRQNLK--DTKTLRVAKAIKYIENNSVSKOLKPATKTYIRDG 83 Db 182 WARN----IGFLDLAHSIAMKE----IDFKIARNFEQVDSLKNSETKVKIPKVY 232

Db 601 KDFSIQFMEKRN YRQNLNLISSILQSKPLYSVQLQ-----G 640 Qy 59 KRYIENNSVVSQQLKPATKTYIRDGKIKQOQTSQVMEENAYQVFLTSIDY 118

Db 233 KRYNSKILVFL-----DGVSVKS-GSALLNBLQIDTKVOR---OLP--DC 275

Qy 84 IKKQOIGS--VMFDQATEIQAVMEENAYQVFLTSIDY 119

Db 641 YKNDIYSETGISPEYTINDVLTHARNCTLHNMKNF 679 Qy 119' YLEVY 123

Db 276 ILEQI 280.

RESULT 10

US-11-079-463-7120 ; Sequence 7120, Application US/11079463

; Publication No. US20060073161A1

; GENERAL INFORMATION:

; APPLICANT: Gary L. Breton

; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO BACTERIOIDES FRA

; FILE REFERENCE: PATH00-03DIV2

; CURRENT FILING DATE: 2005-03-14

; CURRENT APPLICATION NUMBER: US/11/079, 463

; PRIORITY APPLICATION NUMBER: US 60/128, 705

; PRIORITY FILING DATE: 1999-04-09

; PRIORITY APPLICATION NUMBER: US 09/540, 209

; PRIORITY FILING DATE: 2000-04-04

; NUMBER OF SEQ ID NOS: 10444

; SEQ ID NO: 7120

; LENGTH: 430

; TYPE: PRT

; ORGANISM: B. fragilis

; FEATURE:

; NAME/KEY: UNSURE

; LOCATION: (70)

; OTHER INFORMATION: Identity of amino acid sequences at the above locations are unknc

US-11-079-463-7120

Query Match 11.0%; Score 70; DB 7; Length 430;

Best Local Similarity 25.0%; Pred. No. 10;

Matches 30; Conservative 15; Mismatches 29; Indels 46; Gaps 7;

Qy 6 HSLJGQDGAYLF-----RTFLEIREK---CVTDLD-----FWFAC--- 37

Db 261 HSTYGDSSRAEVFARLGVATEYTETGIRLKONGTCVERLDEDVDIPDQATPVITCALL 320

Qy 38 -----NGFRQNLKDTKTLRVAKAIYR--YI--ENNSVSV-----KOLKPATKTY 79

Db 321 NVPFRFTGLOSLKIKETDRIAALKTEMKLGYTLHDNDLSILSWDGERVEQOTCPVTKTY 380

US-11-079-463-7120

Query Match 11.0%; Score 70; DB 7; Length 688;

Best Local Similarity 20.5%; Pred. No. 18;

Matches 23; Conservative 27; Mismatches 58; Indels 4; Gaps 3;

Qy 14 GAYLFRITFL--BREKCVDTLDWFACNGFRQNLKDTKTLRVAKAIKYIENNSV-VSK 70

Db 64 GPFLPFDCLNEINAEAVPQVKPEYEKEYLDNEEDRLCR-SRQIVDAYTMKELLSCSH 122

Qy 71 QLKPATKTYIRDGKIKQOQTSQVMEENAYQVFLTSIDYLEY 122

Db 123 PFSKQAEHVQSHLSKQVTSFLFPQYIEBICESLRGDFQKFMESDKFTRF 174

RESULT 11

US-11-188-298-20062 ; Sequence 20062, Application US/11188298

; Publication No. US20060075228A1

; GENERAL INFORMATION:

; APPLICANT: Abad, Mark S. et al.

; TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT

; FILE REFERENCE: 38-21(53452)B

; CURRENT APPLICATION NUMBER: US/11/188, 298

; CURRENT FILING DATE: 2005-07-22

; PRIORITY APPLICATION NUMBER: 60/592, 978

; PRIORITY FILING DATE: 2004-07-31

; NUMBER OF SEQ ID NOS: 22569

; SEQ ID NO: 20062

; LENGTH: 559

; TYPE: PRT

; ORGANISM: Bacillus cereus ATCC 14579

US-11-188-298-20062

Query Match 11.0%; Score 70; DB 7; Length 559;

Best Local Similarity 24.0%; Pred. No. 14;

Matches 30; Conservative 25; Mismatches 42; Indels 28; Gaps 7;

Qy 1 WTKSLHSILGDQDAYLRTFLREKCVDTLDWFACNGFRQNLKDTKTLRVAKAIY 58

; PRIOR APPLICATION NUMBER: PCT/US03/14581
 ; PRIOR FILING DATE: 2003-05-12
 ; PRIOR APPLICATION NUMBER: 60/379,986
 ; PRIOR FILING DATE: 2002-05-13
 ; PRIOR APPLICATION NUMBER: 60/401,698
 ; PRIOR FILING DATE: 2002-08-07
 ; NUMBER OF SEQ ID NOS: 94
 ; SOFTWARE: PatentIn Ver. 3.2
 ; SEQ ID NO: 25
 ; LENGTH: 688
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-11-040-218-25

Query Match 11.0%; Score 70; DB 7; Length 688;
 Best Local Similarity 20.5%; Pred. No. 18; Matches 27; Indels 4; Gaps 3;
 Matches 23; Conservative 23; Mismatches 58; Indels 4; Gaps 3;

Qy 14 GAYLFRFL--EREKCVDTLDLDFNFAACNGFRQNMNLKDTKTLRVAKAIKRYIENNSV-VSK 70
 Db 64 GFLFLFKDQCLNEA9VQVKFVEIKEYEKLDRDNEEQLCR-SRQIYDAYIMKELLSCSH 122

Qy 71 QLKPATKTYIRDGJKKQDQIGSYMFDQAOCTEQIAQVMEENAYQVFLTSDFILEY 122
 Db 123 PFSKQAAVEHQVSHLSKQQTSTLQFQPYTIECIESLRCSDIDIFQKFMESDKFTRF 174

RESULT 14
 US-11-096-568A-3947
 ; Sequence 3947, Application US-11-096568A
 ; Publication No. US201060048240A1
 ; GENERAL INFORMATION
 ; APPLICANT: Alexandrov, Nickolai et al.
 ; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
 ; TITLE OF INVENTION: "Thereby
 ; CURRENT APPLICATION NUMBER: US-11/096,568A
 ; CURRENT APPLICATION NUMBER: 2750-1592PUS2
 ; CURRENT FILING DATE: 2005-04-01
 ; SEQ ID NO: 3947
 ; LENGTH: 247
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; FEATURE:
 ; NAME/KEY: misc_Feature
 ; LOCATION: (1)...(247)
 ; OTHER INFORMATION: Ceres Seq. ID no. 13594272
 US-11-096-568A-3947

Query Match 10.9%; Score 69.5; DB 7; Length 247;
 Best Local Similarity 27.4%; Pred. No. 5; Matches 16; Mismatches 34; Indels 11; Gaps 3;
 Matches 23; Conservative 23; Mismatches 34; Indels 11; Gaps 3;

Qy 37 CNGFRQNMNLKDTKTLRVAKAIKRYIENNSVSQLKPATKTYIRDGJKKQDQIGSYMFDQ 96
 Db 6 CNGVEGVNLKE-----ITNEKISNSMCLYLDNNPSA-TSITVGLSDGSVSVFLE 55

Qy 97 AOTEIQAVMEENAYQVFLTS-DIY 119
 Db 56 SKLEIQEBWKAHDYELWTTSPDIH 79

RESULT 15
 US-10-506-454-1069
 ; Sequence 1069, Application US-10-506454
 ; Publication No. US-10-06068386A1
 ; GENERAL INFORMATION
 ; APPLICANT: Slesarev, Alexi I
 ; APPLICANT: Mezhevaya, Katja V
 ; APPLICANT: Polushin, Nikolai N
 ; APPLICANT: Shcherbinina, Olga V
 ; APPLICANT: Shakova, Vera V
 ; APPLICANT: Malykh, Andrei G

RESULT 2
US-08-890-865A-1
Sequence 1, Application US/08890865A
GENERAL INFORMATION:
APPLICANT: Constantini, Franklin
TITLE OF INVENTION: AXIN GENE AND USES THEREOF
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
COUNTRY: US
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/890,865A
FILING DATE: 10-JUL-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
REFERENCE DOCKET NUMBER: 0575/54249
TELECOMMUNICATION INFORMATION:
TELEFAX: (212)278-0400
TELEPHONE: (212)391-0526
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 992 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Protein
US-08-890-865A-1

Query Match Score 142.5; DB 2; Length 992;
Best Local Similarity 56.6%; Pred. No. 2,8e-09;
Matches 30; Conservative 14; Indels 1; Gaps 1;

Qy 2 NGQVSLPHFPRTHRLPKEMTPVPEAAELISRLEKIKLELSRHSLEERLQ 54
Db 492 NGRVPLPHFPRTHMPKELR-VEPKFPEELTHRAEVQRTREAEERLK 543

RESULT 3
US-08-890-865A-4
Sequence 4, Application US/08890865A
GENERAL INFORMATION:
APPLICANT: Constantini, Franklin
TITLE OF INVENTION: AXIN GENE AND USES THEREOF
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: US
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/890,865A

RESULT 4
US-09-252-991A-26051
Sequence 26051, Application US/09252991A
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: ABRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.1.36
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIORITY FILING DATE: 1999-02-18
PRIORITY APPLICATION NUMBER: US 60/074,788
PRIORITY FILING DATE: 1998-02-18
PRIORITY APPLICATION NUMBER: US 60/094,190
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO: 26051

Query Match Score 141.5; DB 2; Length 900;
Best Local Similarity 56.6%; Pred. No. 3,3e-09;
Matches 30; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

Qy 2 NGQVSLPHFPRTHRLPKEMTPVPEAAELISRLEKIKLELSRHSLEERLQ 54
Db 400 NGRVPLPHFPRTHMPKELR-VEPKFPEELTHRAEVQRTREAEERLK 451

RESULT 5
US-08-458-023B-2
Sequence 2, Application US/08458023B
GENERAL INFORMATION:
APPLICANT: Berka, Randy M.
PATENT NO. 566790
GENERAL INFORMATION:
APPLICANT: Yoder, Wendy M.
APPLICANT: Takegi, Shinobu
APPLICANT: Boomnathan, Karuppan C.
TITLE OF INVENTION: ASPERGILLUS EXPRESSION SYSTEM
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 566790 No. 5667990disk of No. 5667990th America, Inc.
STREET: 405 Lexington Avenue
CITY: New York

STATE: New York
 COUNTRY: USA
 ZIP: 10174-6201
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US-08/458,023B
 FILING DATE: 01-JUN-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Lowney Dr., Karen A.
 REFERENCE/DOCKET NUMBER: 31-274
 TELECOMMUNICATION INFORMATION:
 TELEFAX: 212-867-9655
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 462 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-458-023B-2

RESULT 6
 US-09-111-556A-2
 Patent No. 6020180
 GENERAL INFORMATION:
 APPLICANT: Svendsen, Allan
 APPLICANT: Pathar, Shamkant A
 APPLICANT: Egel-Mitani, Michi
 APPLICANT: Borchi, Kim
 APPLICANT: Clausen, Ib G
 APPLICANT: Hansen, Mogens T
 TITLE OF INVENTION: C. ANTARCTICA LIPASE AND LIPASE VARIANTS
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 6020180
 STREET: 405 Lexington Avenue, 64th Floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Tape
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US-08/360,758
 FILING DATE: 22-DEC-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: DK PCT/DK93/00225
 FILING DATE: 03-JUN-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Lambiris, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 33,728
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 463 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-360-758-2

RESULT 7
 US-08-360-758-2
 Sequence 2, Application US/08360758
 ; Sequence 2, Application US/08360758
 ; GENERAL INFORMATION:
 ; APPLICANT: Svendsen, Allan
 ; APPLICANT: Pathar, Shamkant A
 ; APPLICANT: Egel-Mitani, Michi
 ; APPLICANT: Borchi, Kim
 ; APPLICANT: Clausen, Ib G
 ; APPLICANT: Hansen, Mogens T
 ; TITLE OF INVENTION: C. ANTARCTICA LIPASE AND LIPASE VARIANTS
 ; NUMBER OF SEQUENCES: 11
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: No. 6074863
 ; STREET: 405 Lexington Avenue, 64th Floor
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: United States of America
 ; ZIP: 10174-6401
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Tape
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US-08/360,758
 ; FILING DATE: 22-DEC-1994
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: DK PCT/DK93/00225
 ; FILING DATE: 03-JUN-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Lambiris, Elias J.
 ; REGISTRATION NUMBER: 33,728
 ; REFERENCE/DOCKET NUMBER: 33,728
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 212-867-0123
 ; TELEFAX: 212-878-9655
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 463 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-360-758-2

Query Match 23.9%; Score 65; DB 2; Length 463;
 Best Local Similarity 48.3%; Pred. No. 5.3;
 Matches 14; Conservative 5; Mismatches 8; Indels 2; Gaps 1;

Qy 1 ANGQVSLPHFPR--THRLPKENTPVEPA 27
 Db 336 ASYTVSVKPFRTIWHAIPEDEIVPYQPA 364

Query Match 23.9%; Score 65; DB 2; Length 463;
 Best Local Similarity 48.3%; Pred. No. 5.3;
 Matches 14; Conservative 5; Mismatches 8; Indels 2; Gaps 1;

Qy 1 ANGQVSLPHFPR--THRLPKENTPVEPA 27

ORGANISM: Human
US-10-200-012-4

Query Match 21.5%; Score 58.5; DB 2; Length 1061;
Best Local Similarity 34.0%; Pred. No. 90;
Matches 16; Conservative 10; Mismatches 16;
Indels 5; Gaps 2;

Qy 4 QVSLPHPFRTHL--PKEMTPVEPAFAAEELISRERKLUKLE 44
Db 383 QSSLEHEEDETHLHLOPQHESVPTQSTLTADDMMRRAKRTRLEQN 429

RESULT 13
US 09-949-016-6078
Sequence 6078, Application US/09949016
Patent No. 6812339

GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949, 016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241, 755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237, 768
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/231, 498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 6078
LENGTH: 392
TYPE: PRT
ORGANISM: Human
US-09-949-016-6078

Query Match 21.0%; Score 57; DB 2; Length 392;
Best Local Similarity 36.4%; Pred. No. 43;
Matches 18; Conservative 9; Mismatches 14; Indels 8; Gaps 3;

Qy 11 PRTHRLPKEMTPVEPAFAAEELISRERKLUKLE-SRHSLSERLQ 54
Db 289 PRTRKLKKKKNEKDKRPTAFTAE--OLQLKAEFOANRYTDEORRQ 334

RESULT 14-
US 09-758-282B-251
Sequence 251, Application US/09758282B
Patent No. 6335463

GENERAL INFORMATION:
APPLICANT: Ma, Wu-Po
APPLICANT: Lyamichev, Victor I.
APPLICANT: Kaiser, Michael W.
APPLICANT: Lyamicheva, Natalie E.
APPLICANT: Allawi, Hatim T.
APPLICANT: Schaefer, James J.
APPLICANT: Neri, Bruce P.

TITLE OF INVENTION: Enzymes for the Detection of Nucleic Acid Sequences
FILE REFERENCE: FORS 04931
CURRENT APPLICATION NUMBER: US/09/758, 282B
CURRENT FILING DATE: 2001-01-11
PRIOR APPLICATION NUMBER: 09/577, 304
PRIOR FILING DATE: 2000-05-24
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 268
LENGTH: 832
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-758-282B-268

Query Match 21.0%; Score 57; DB 2; Length 832;
Best Local Similarity 41.4%; Pred. No. 1e+02;
Matches 12; Conservative 7; Mismatches 10;
Indels 0; Gaps 0;

Qy 16 LPKEMTPVEPAFAAEELISRERKLUKLE 44
Db 216 LLKHLQVKPASVREKILSHMDLKLSE 244

Search completed: April 20, 2006, 15:32:29
Job time : 5.51187 secs

RESULT 15
US-09-758-282B-268
Sequence 268, Application US/09758282B
Patent No. 6635463

GENERAL INFORMATION:
APPLICANT: Ma, Wu-Po
APPLICANT: Lyamichev, Victor I.
APPLICANT: Kaiser, Michael W.
APPLICANT: Lyamicheva, Natalie E.
APPLICANT: Allawi, Hatim T.
APPLICANT: Schaefer, James J.
APPLICANT: Neri, Bruce P.

TITLE OF INVENTION: Enzymes for the Detection of Nucleic Acid Sequences
FILE REFERENCE: FORS 04931
CURRENT APPLICATION NUMBER: US/09/758, 282B
CURRENT FILING DATE: 2001-01-11
PRIOR APPLICATION NUMBER: 09/577, 304
PRIOR FILING DATE: 2000-05-24
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 268
LENGTH: 832
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-758-282B-268

Query Match 21.0%; Score 57; DB 2; Length 832;
Best Local Similarity 41.4%; Pred. No. 1e+02;
Matches 12; Conservative 7; Mismatches 10;
Indels 0; Gaps 0;

Qy 16 LPKEMTPVEPAFAAEELISRERKLUKLE 44
Db 216 LLKHLQVKPASVREKILSHMDLKLSE 244

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OM protein - protein search, using sw model

Run on: April 20, 2006, 15:57:53 ; Search time 18.7599 Seconds
(without alignments)
1202.714 Million cell updates/sec

Title: US-09-587-574-3
Perfect score: 272
Sequence: 1 ANGQVSLPHFPRTRHLPKEM.....RLEKKLEBSRHSLEERLQ 54

Scoring table: BLOSUM62
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Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing First 45 summaries

Database : Published Applications AA Main:/*
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2: /cgn2_6/ptocdata/1/pubpaa/US08_PUBCOMB.pep:/*
3: /cgn2_6/ptocdata/1/pubpaa/US10A_PUBCOMB.pep:/*
4: /cgn2_6/ptocdata/1/pubpaa/US10B_PUBCOMB.pep:/*
5: /cgn2_6/ptocdata/1/pubpaa/US11_PUBCOMB.pep:/*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1.	268	98.5	843	5 US-10-723-860-1797	Sequence 1797, AP
2.	268	98.5	843	5 US-10-723-860-1797	Sequence 116, APP
3	141.5	52.0	826	4 US-10-720-36	Sequence 36, APP
4	141.5	52.0	862	4 US-10-720-35	Sequence 35, APP
5	141.5	52.0	900	4 US-10-374-979-91	Sequence 91, APP
6	141.5	52.0	900	4 US-10-182-936A-91	Sequence 91, APP
7	141.5	52.0	900	5 US-10-477-23RA-670	Sequence 670, APP
8	141.5	52.0	900	5 US-10-680-28RA-670	Sequence 670, APP
9	141.5	52.0	900	5 US-10-477-173-670	Sequence 670, APP
10	141.5	52.0	912	4 US-10-032-900A-270	Sequence 270, APP
11	136.5	50.2	842	3 US-09-798-831-8	Sequence 8, APP
12	118	43.4	25	3 US-09-798-831-6	Sequence 6, APP
13	118	43.4	25	3 US-09-798-831-5	Sequence 7, APP
14	114	41.9	25	3 US-09-798-831-5	Sequence 5, APP
15	68	25.0	2590	4 US-10-072-012-490	Sequence 490, APP
16	65	23.9	25	3 US-09-798-831-2	Sequence 2, APP
17	65	23.9	455	5 US-10-326-542-103	Sequence 103, APP
18	65	23.9	462	4 US-10-815-495-28	Sequence 28, APP
19	64	23.5	658	4 US-10-437-963-1967297	Sequence 196297, APP
20	61.5	22.6	995	3 US-09-486-734A-2	Sequence 2, APP
21	60.5	22.2	373	5 US-10-739-930-10557	Sequence 10557, APP
22	60	22.1	120	4 US-11-21381-13	Sequence 213813, APP
23	60	22.1	508	4 US-10-425-115-254698	Sequence 254698, APP
24	59.5	21.9	176	3 US-09-854-761-48059	Sequence 48059, APP
25	59.5	21.9	183	5 US-10-370-715B-740	Sequence 740, APP
26	59.5	21.9	213	4 US-10-437-963-19044	Sequence 190644, APP
27	59.5	21.9	302	4 US-10-437-963-141244	Sequence 141244, APP

ALIGNMENTS

RESULT 1
US-10-723-860-1797
; Sequence 1797, Application US/10723860
; Publication No. US200402536061
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha M.
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnick, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions & Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882_0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10-723, 860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60-429-739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 1797
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-1797

Query Match 98.5%; Score 268; DB 5; Length 843;
Best Local Similarity 98.1%; Pred. No. 4.1e-23;
Matches 53; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ANGQVSLPHFPRTRHLKEMTVEPAFAELJSRPLKLESRHSLEERLQ 54
Db 343 ANGQVSLPHFPRTRHLKEMTVEPAFAELJSRPLKLESRHSLEERLQ 396

RESULT 2
US-10-751-736-116
; Sequence 116, Application US/10751736
; Publication No. US/004026523041
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON CANCERS
; FILE REFERENCE: AM100927 (01196-002000)
; CURRENT APPLICATION NUMBER: US/10-751-736
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438, 000
; PRIOR FILING DATE: 2003-10-05
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2

SEQ ID NO: 116
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-7511-736-116

Query Match 98.5%; Score 268; DB 5; Length 843;
Best Local Similarity 98.1%; Pred. No. 4.1e-23; Indels 0; Gaps 0;
Matches 53; Conservative 0; Mismatches 1; Gaps 0;

RESULT 5
US-10-374-979-91
; Sequence 91, Application US/10374979
; Publication No. US20030219793A1
; GENERAL INFORMATION:
; APPLICANT: John P. Carulli et al.
; TITLE OF INVENTION: THE HIGH BONE MASS GENE OF 11q13.3
; FILE REFERENCE: 032796-021
; CURRENT APPLICATION NUMBER: US/10/374,979
; CURRENT FILING DATE: 2003-03-04
; PRIORITY NUMBER: US 09/544,398
; PRIOR FILING DATE: 2000-04-05
; PRIORITY NUMBER: US 09/543,771
; PRIOR FILING DATE: 2000-04-05
; PRIORITY NUMBER: US 09/229,319
; PRIOR FILING DATE: 1999-01-13
; PRIORITY NUMBER: US 60/071,449
; PRIOR FILING DATE: 1998-01-13
; PRIORITY NUMBER: US 60/105,511
; PRIOR FILING DATE: 1998-10-23
; PRIORITY NUMBER: US 60/105,511
; SEQ ID NO: 91
; NUMBER OF SEQ ID NOS: 109
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-374-979-91

Query Match 52.0%; Score 141.5; DB 4; Length 900;
Best Local Similarity 56.6%; Pred. No. 6e-08; Indels 1; Gaps 1;
Matches 30; Conservative 8; Mismatches 14;

Qy 2 NGQVSLPHFPRTHLPKEMTPVEPAFAELISRKLELSRHSLEERLQ 54
Db 400 NGRVPLPHFPRTHLPKEMTPVEPAFAELISRKLELSRHSLEERLQ 54

RESULT 6
US-10-182-936A-91
; Sequence 91, Application US/10182936A
; Publication No. US20040018860A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Kristina M.
; APPLICANT: Anisowicz, Anthony
; APPLICANT: Bhat, Bheem
; APPLICANT: Damagnez, Veronique
; APPLICANT: Robinson, John
; APPLICANT: Yaworsky, Paul
; TITLE OF INVENTION: Reagents and Method for Modulating DKK-Mediated Interactions
; FILE REFERENCE: 032796-143
; CURRENT APPLICATION NUMBER: US/10/182,936A
; CURRENT FILING DATE: 2002-08-02
; PRIORITY NUMBER: PCT/US02/15982
; PRIOR FILING DATE: 2002-05-17
; PRIORITY NUMBER: US 60/291,311
; PRIOR FILING DATE: 2002-05-17
; PRIORITY NUMBER: US 60/352,058
; PRIOR FILING DATE: 2002-02-01
; PRIORITY NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 216
; SOFTWARE: PasteSEQ for Windows Version 4.0
; SEQ ID NO: 91
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-182-936A-91

Query Match 52.0%; Score 141.5; DB 4; Length 862;
Best Local Similarity 56.6%; Pred. No. 5.7e-08; Indels 1; Gaps 1;

RESULT 4
US-10-786-720-35
; Sequence 35, Application US/10786720
; Publication No. US20040191818A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: O'Toole, Margot
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
; FILE REFERENCE: 031896-03300 (AM101331L)
; CURRENT APPLICATION NUMBER: US/10/786,720
; CURRENT FILING DATE: 2004-02-26
; NUMBER OF SEQ ID NOS: 21135
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 35
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-786-720-36

Query Match 52.0%; Score 141.5; DB 4; Length 826;
Best Local Similarity 56.6%; Pred. No. 5.5e-08; Indels 1; Gaps 1;
Matches 30; Conservative 8; Mismatches 14;

Qy 2 NGQVSLPHFPRTHLPKEMTPVEPAFAELISRKLELSRHSLEERLQ 54
Db 363 NGRVPLPHFPRTHLPKEMTPVEPAFAELISRKLELSRHSLEERLQ 54

RESULT 7
US-10-182-936A-91
; Sequence 91, Application US/10182936A
; Publication No. US20040018860A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: O'Toole, Margot
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
; FILE REFERENCE: 031896-03300 (AM101331L)
; CURRENT APPLICATION NUMBER: US/10/786,720
; CURRENT FILING DATE: 2004-02-26
; NUMBER OF SEQ ID NOS: 21135
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 35
; LENGTH: 862
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-786-720-35

Query Match 52.0%; Score 141.5; DB 4; Length 862;
Best Local Similarity 56.6%; Pred. No. 5.7e-08; Indels 1; Gaps 1;

Qy 2 NGQVSLPHFPRTHLPKEMTPVEPAFAELISRKLELSRHSLEERLQ 54
Db 363 NGRVPLPHFPRTHLPKEMTPVEPAFAELISRKLELSRHSLEERLQ 54

Qy 2 NGQVSLPHEPPRTHLPKEMTPVEPAFAELISPLEKLELSRHSLERLQ 54
 Db 400 NGRVPLPHIPRTLPKEMTPVEPAFAELISPLEKLELSRHSLERLQ 54
 ; Best Local Similarity 56.6%; Pred. No. 6e-08; Mismatches 8; Indels 1; Gaps 1;

RESULT 7
 US-10-477-238A-670
 ; Sequence 670, Application US/10477238A

GENERAL INFORMATION:
 APPLICANT: Babij, Philip
 APPLICANT: Yaworsky, Paul
 APPLICANT: Bex, Frederick J. III
 APPLICANT: Bodine, Peter Van Nest

TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation

FILE REFERENCE: 032796-212

CURRENT APPLICATION NUMBER: US/10/477,238A

PRIOR APPLICATION NUMBER: US 2003-11-10

PRIOR FILING DATE: 2003-05-11

PRIOR APPLICATION NUMBER: US 60/290,071

PRIOR FILING DATE: 2001-05-11

PRIOR APPLICATION NUMBER: US 60/291,311

PRIOR FILING DATE: 2001-05-17

PRIOR APPLICATION NUMBER: US 60/353,058

PRIOR FILING DATE: 2002-02-01

PRIOR APPLICATION NUMBER: US 60/361,293

PRIOR FILING DATE: 2002-03-04

NUMBER OF SEQ ID NOS: 812

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 670

LENGTH: 900

TYPE: PRT

ORGANISM: Homo sapiens

US-10-477-238A-670

Query Match 52.0%; Score 141.5; DB 5; Length 900;
 Best Local Similarity 56.6%; Pred. No. 6e-08; Mismatches 8; Indels 1; Gaps 1;

Db 400 NGRVPLPHIPRTLPKEMTPVEPAFAELISPLEKLELSRHSLERLQ 54
 ; Best Local Similarity 56.6%; Pred. No. 6e-08; Mismatches 8; Indels 1; Gaps 1;

RESULT 8
 US-10-680-287A-670
 ; Sequence 670, Application US/10680287A

GENERAL INFORMATION:
 APPLICANT: Babij, Philip
 APPLICANT: Yaworsky, Paul
 APPLICANT: Bex, Frederick J. III
 APPLICANT: Bodine, Peter Van Nest

TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation

FILE REFERENCE: 032796-179

CURRENT APPLICATION NUMBER: US/10/680,287A

PRIOR APPLICATION NUMBER: PCT/US02/14876

PRIOR FILING DATE: 2002-05-13

PRIOR APPLICATION NUMBER: US 60/290,071

PRIOR FILING DATE: 2001-05-11

PRIOR APPLICATION NUMBER: US 60/291,311

PRIOR FILING DATE: 2001-05-17

PRIOR APPLICATION NUMBER: US 60/353,058

PRIOR FILING DATE: 2002-02-01

PRIOR APPLICATION NUMBER: US 60/361,293

PRIOR FILING DATE: 2002-03-04

NUMBER OF SEQ ID NOS: 812

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 670

LENGTH: 900

TYPE: PRT

ORGANISM: Homo sapiens

US-10-680-287A-670

Query Match 52.0%; Score 141.5; DB 5; Length 900;
 Best Local Similarity 56.6%; Pred. No. 6e-08; Mismatches 8; Indels 1; Gaps 1;

Db 400 NGRVPLPHIPRTLPKEMTPVEPAFAELISPLEKLELSRHSLERLQ 54
 ; Best Local Similarity 56.6%; Pred. No. 6e-08; Mismatches 8; Indels 1; Gaps 1;

RESULT 9
 US-10-477-173-670
 ; Sequence 670, Application US/10477173

GENERAL INFORMATION:
 APPLICANT: Genome Therapeutics Corporation and
 ; Allen, Kristina M.
 APPLICANT: Yaworsky, Paul
 APPLICANT: Morales, Arturo J.
 APPLICANT: Graham, James R.
 APPLICANT: Aribowicz, Anthony
 APPLICANT: Liu, Wei

TITLE OF INVENTION: HBM Variants that Modulate Bone Mass and Lipid Levels

FILE REFERENCE: 032796-135

CURRENT APPLICATION NUMBER: US/10/477,173

CURRENT FILING DATE: 2003-11-10

PRIOR APPLICATION NUMBER: US 60/230,071

PRIOR FILING DATE: 2001-05-11

PRIOR APPLICATION NUMBER: US 60/291,311

PRIOR FILING DATE: 2001-05-17

PRIOR APPLICATION NUMBER: US 60/353,058

PRIOR FILING DATE: 2002-02-01

PRIOR APPLICATION NUMBER: US 60/361,293

PRIOR FILING DATE: 2002-03-04

NUMBER OF SEQ ID NOS: 1086

SOFTWARE: FastSEQ For Windows Version 4.0

SEQ ID NO: 670

LENGTH: 900

TYPE: PRT

ORGANISM: Homo sapiens

US-10-477-173-670

Query Match 52.0%; Score 141.5; DB 5; Length 900;
 Best Local Similarity 56.6%; Pred. No. 6e-08; Mismatches 8; Indels 1; Gaps 1;

Db 400 NGRVPLPHIPRTLPKEMTPVEPAFAELISPLEKLELSRHSLERLQ 54
 ; Best Local Similarity 56.6%; Pred. No. 6e-08; Mismatches 8; Indels 1; Gaps 1;

RESULT 10
 US-10-902-900A-270
 ; Sequence 270, Application US/10092900A

GENERAL INFORMATION:
 APPLICANT: Padigaru, Muralidhara
 APPLICANT: Spytak, Kimberly A.
 APPLICANT: Shenoy, Suresh G.
 APPLICANT: Taupier Jr., Raymond J.
 APPLICANT: Pena, Carol E.A.
 APPLICANT: Li, Li
 APPLICANT: Zerhusen, Bryan D.
 APPLICANT: Gusev, Vladimir Y.
 APPLICANT: Ji, Weizhen
 APPLICANT: Corman, Linda
 APPLICANT: Miller, Charles E.
 APPLICANT: Kekuda, Ramesh
 APPLICANT: Paturajan, Meera
 APPLICANT: Gangolli, Esha A.
 APPLICANT: Vernet, Corine A.M.
 APPLICANT: Guo, Xiaoja Sasha
 APPLICANT: Tchernev, Velizar T.

GENERAL INFORMATION:
 APPLICANT: Bex, Frederick J. III
 APPLICANT: Bodine, Peter Van Nest

TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation

FILE REFERENCE: 032796-179

CURRENT APPLICATION NUMBER: US/10/680,287A

PRIOR APPLICATION NUMBER: PCT/US02/14876

PRIOR FILING DATE: 2002-05-13

PRIOR APPLICATION NUMBER: US 60/290,071

PRIOR FILING DATE: 2001-05-11

PRIOR APPLICATION NUMBER: US 60/291,311

PRIOR FILING DATE: 2001-05-17

PRIOR APPLICATION NUMBER: US 60/353,058

PRIOR FILING DATE: 2002-02-01

PRIOR APPLICATION NUMBER: US 60/361,293

PRIOR FILING DATE: 2002-03-04

NUMBER OF SEQ ID NOS: 812

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 670

LENGTH: 900

TYPE: PRT

ORGANISM: Homo sapiens

US-10-680-287A-670

APPLICANT: Fernandes, Elma R.
 APPLICANT: Casman, Stacie J.
 APPLICANT: Malyanvar, Uriel M.
 APPLICANT: Gerlach, Valerie
 APPLICANT: Liu, Yi
 APPLICANT: Anderson, David W.
 APPLICANT: Spaderna, Steven K.
 APPLICANT: Catteron, Elina
 APPLICANT: Leite, Mario W.
 APPLICANT: Alsobrook, John P.
 APPLICANT: Lepley, Denise M.
 APPLICANT: Rieger, Daniel K.
 APPLICANT: Burgess, Catherine E.

TITLE OF INVENTION: No. US20040043382A1el Proteins and Nucleic Acids Encoding Same
 FILE REFERENCE: 21402-230C
 CURRENT APPLICATION NUMBER: US/10/092,900A
 CURRENT FILING DATE: 2002-03-07
 PRIOR APPLICATION NUMBER: USSN 60/274,322
 PRIOR FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: USSN 60/283,675
 PRIOR FILING DATE: 2001-04-13
 PRIOR APPLICATION NUMBER: USSN 60/338,092
 PRIOR FILING DATE: 2001-12-03
 PRIOR APPLICATION NUMBER: USSN 60/274,281
 PRIOR FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: USSN 60/274,191
 PRIOR FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: USSN 60/325,681
 PRIOR FILING DATE: 2001-09-27
 PRIOR APPLICATION NUMBER: USSN 60/304,354
 PRIOR FILING DATE: 2001-07-10
 PRIOR APPLICATION NUMBER: USSN 60/279,995
 PRIOR FILING DATE: 2001-03-30
 PRIOR APPLICATION NUMBER: USSN 60/294,899
 PRIOR FILING DATE: 2001-05-31
 PRIOR APPLICATION NUMBER: USSN 60/287,424
 PRIOR FILING DATE: 2001-04-30
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 768
 SEQ ID NO 270
 LENGTH: 912
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-092-900A-270

Query Match 52.0% Score 141.5; DB 4; Length 912;
 Best Local Similarity 56.6%; Pred. No. 6.1e-08;
 Matches 30; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

RESULT 11 US-09-798-831-8
 Sequence 8, Application US/097988831
 Patent No. US20040052137A1
 GENERAL INFORMATION:
 APPLICANT: KLEIN, Peter S.
 TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN
 TITLE OF INVENTION: SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT
 TITLE OF INVENTION: SIGNALING
 FILE REFERENCE: 209596.091/306U1
 CURRENT APPLICATION NUMBER: US/09/798,831
 CURRENT FILING DATE: 2001-03-01
 PRIOR APPLICATION NUMBER: US 60/186,141
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 8
 LENGTH: 842;

Query Match 43.4% Score 118; DB 3; Length 25;
 Best Local Similarity 53.7%; Pred. No. 2.2e-07;
 Matches 29; Conservative 10; Mismatches 14; Indels 1; Gaps 1;

RESULT 12 US-09-798-831-6
 Sequence 6, Application US/097988831
 Patent No. US20040052137A1
 GENERAL INFORMATION:
 APPLICANT: KLEIN, Peter S.
 TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN
 TITLE OF INVENTION: SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT
 TITLE OF INVENTION: SIGNALING
 FILE REFERENCE: 209516.0391/306U1
 CURRENT APPLICATION NUMBER: US/09/798,831
 CURRENT FILING DATE: 2001-03-01
 PRIOR APPLICATION NUMBER: US 60/186,141
 PRIOR FILING DATE: 2000-03-01
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 6
 LENGTH: 25
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Rat axil
 OTHER INFORMATION: residues 362-386
 US-09-798-831-6

Query Match 43.4% Score 118; DB 3; Length 25;
 Best Local Similarity 100.0%; Pred. No. 5.4e-07;
 Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 13 US-09-798-831-7
 Sequence 7, Application US/097988831
 Patent No. US20040052137A1
 GENERAL INFORMATION:
 APPLICANT: KLEIN, Peter S.
 TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN
 TITLE OF INVENTION: SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT
 TITLE OF INVENTION: SIGNALING
 FILE REFERENCE: 209516.0391/306U1
 CURRENT APPLICATION NUMBER: US/09/798,831
 CURRENT FILING DATE: 2001-03-01
 PRIOR APPLICATION NUMBER: US 60/186,141
 PRIOR FILING DATE: 2000-03-01
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 7
 LENGTH: 25
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Murine
 OTHER INFORMATION: conductin residues 362-386
 US-09-798-831-7

Query Match 43.4% Score 118; DB 3; Length 25;

Best Local Similarity 100.0%; Pred. No. 5.4e-07; Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 20 MTPVEPAFAAELISRLKLUKLE 44
Db 1 MTPVEPAFAAELISRLKLUKLE 25

RESULT 14
US-09-798-831-5
Sequence 5, Application US/09798831
Patent No. US2010052137A1

GENERAL INFORMATION
APPLICANT: KLEIN, Peter S.
TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT SIGNALING
TITLE OF INVENTION: SIGNALING
FILE REFERENCE: 209596_0391/306U1
CURRENT APPLICATION NUMBER: US/09/798, 831
CURRENT FILING DATE: 2001-03-01
PRIOR FILING DATE: 2000-03-01
NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 5
LENGTH: 25

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Human axin 2
OTHER INFORMATION: residues 362-386

US-09-798-831-5

Query Match 41.9%; Score 114; DB 3; Length 25;
Best Local Similarity 96.0%; Pred. No. 1.6e-06; Matches 24; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 20 MTPVEPAFAAELISRLKLUKLE 44
Db 1 MTPVEPAFAAELISRLKLUKLE 25

RESULT 15
US-10-072-012-490
Sequence 4 90, Application US/10072012
Publication No. US2010033493A1

GENERAL INFORMATION
APPLICANT: Tchernev, Velizar
APPLICANT: Spytel, Kimberly
APPLICANT: Zerhusen, Bryan
APPLICANT: Paturajan, Meera
APPLICANT: Shimkets, Richard
APPLICANT: Li, Li
APPLICANT: Gangoli, Esha
APPLICANT: Padisaru, Muralidhara
APPLICANT: Gusev, Vladimir Y.
APPLICANT: Anderson, David W.
APPLICANT: Rastelli, Luca
APPLICANT: Miller, Charles E.
APPLICANT: Gerlach, Valerie
APPLICANT: Taupier, Jr., Raymond J.
APPLICANT: Colman, Steven D.
APPLICANT: Wolent, Adam R.
APPLICANT: Pena, Carol E. A.
APPLICANT: Furtak, Katarzyna
APPLICANT: Grosse, William M.
APPLICANT: Alsobrook II, John P.
APPLICANT: Lepley, Denise M.
APPLICANT: Rieger, Daniel K.
APPLICANT: Burgess, Catherine E.
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 21402-258
CURRENT APPLICATION NUMBER: US/10/072,012

Query Match 25.0%; Score 68; DB 4; Length 2590;
Best Local Similarity 31.0%; Pred. No. 1.3e+02;
Matches 22; Conservative 6; Mismatches 19; Indels 24; Gaps 2;

Qy 3 GQVSLPHFPRTRHLPKEMT-----PVEPAFAAELISRLKLUKLE 42
Db 76 GQSTLPPVPPPKQQPSVTAHNHSLSRRNNVSPAPPALPAELQRTPESVBLQDSWVLG 135

Qy 43 ---LERSHSL 49
Db 136 SNVPLBSRHFL 146

Search completed: April 20, 2006, 16:06:43
Job time : 19.7599 secs

GenCore version 5.1.7
(c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on: April 20, 2006, 16:00:23 ; Search time 2.99208 Seconds

(without alignments)
794.148 Million cell updates/sec

Title: US-09-587-574-3

Perfect score: 272

Scoring table: BLOSUM62

Gapext 0.5

Sequence: 1 ANGGVSLPLPHPPRTTHRLPKEM.....RLECLKLELERSRHSLEERLQ 54

Searched: 225428 seqs, 44002918 residues

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 1%
Listing first 45 summaries

Database : Published Applications AN_New:*

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2: /SIDSS5/podata/2/pubpara/US06 NEW PUB.pep:*

3: /SIDSS5/podata/2/pubpara/US07 NEW PUB.pep:*

4: /SIDSS5/podata/2/pubpara/US05 NEW PUB.pep:*

5: /SIDSS5/podata/2/pubpara/US09 NEW PUB.pep:*

6: /SIDSS5/podata/2/pubpara/US10 NEW PUB.pep:*

7: /SIDSS5/podata/2/pubpara/US11 NEW PUB.pep:*

8: /SIDSS5/podata/2/pubpara/US60 NEW PUB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	DB ID	Description
1	141.5	52.0	900	6	US-10-501-035-215	Sequence 215, APP
2	59.5	21.9	213	7	US-11-188-298-16414	Sequence 16414, A
3	59.5	21.9	213	7	US-11-188-298-18243	Sequence 18243, A
4	59.5	21.9	323	7	US-11-096-568A-23145	Sequence 23145, A
5	59.5	21.9	369	7	US-11-188-298-17616	Sequence 17616, A
6	59.5	21.9	381	7	US-11-096-568A-23144	Sequence 23144, A
7	59.5	21.9	431	7	US-11-096-568A-23143	Sequence 23143, A
8	59.5	21.9	2715	7	US-11-096-051-2	Sequence 2, APP
9	59.5	21.9	2715	7	US-11-113-424-51	Sequence 51, APP
10	59.5	21.9	2721	7	US-11-096-051-10	Sequence 10, APP
11	58.5	21.9	2725	7	US-11-096-051-8	Sequence 8, APP
12	58.5	21.5	1061	7	US-11-121-438-4	Sequence 4, APP
13	57.5	21.1	254	7	US-11-188-298-14078	Sequence 14078, A
14	57	21.0	714	7	US-11-121-419-2	Sequence 2, APP
15	57	21.0	724	7	US-11-079-462-5959	Sequence 5959, APP
16	56.5	20.8	526	7	US-11-087-099-6670	Sequence 6670, APP
17	56	20.6	64	6	US-10-467-657-7122	Sequence 7122, APP
18	56	20.6	349	6	US-10-481-932A-208	Sequence 208, APP
19	56	20.6	7968	7	US-11-186-731-5	Sequence 5, APP
20	55.5	20.4	476	7	US-11-188-777-74	Sequence 7774, APP
21	54.5	20.0	259	7	US-11-096-568A-6620	Sequence 6620, APP
22	54.5	20.0	263	7	US-11-096-568A-8437	Sequence 8437, APP
23	54.5	20.0	302	7	US-11-096-568A-8436	Sequence 8436, APP
24	54.5	20.0	307	7	US-11-096-568A-6619	Sequence 6619, APP
25	54.5	20.0	366	7	US-11-096-568A-6618	Sequence 6618, APP

ALIGNMENTS

RESULT 1
US-10-501-035-215

; Sequence 215, Application US/10501035

; Publication No. US20060046249A1

; GENERAL INFORMATION:

; APPLICANT: Bristol-Myers Squibb Company

; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTING

; TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASES

; TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS

; FILE REFERENCE: D0185 PCT

; CURRENT APPLICATION NUMBER: US/10/501,035

; CURRENT FILING DATE: 2004-07-09

; PRIOR APPLICATION NUMBER: US 60/350,061

; PRIOR FILING DATE: 2002-01-18

; NUMBER OF SEQ ID NOS: 795

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO: 215

; LENGTH: 900

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-10-501-035-215

RESULT 1
US-10-501-035-215

; Sequence 215, Application US/10501035

; Publication No. US20060046249A1

; GENERAL INFORMATION:

; APPLICANT: Bristol-Myers Squibb Company

; TITLE OF INVENTION: IDENTIFICATION OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASES

; TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS

; FILE REFERENCE: D0185 PCT

; CURRENT APPLICATION NUMBER: US/10/501,035

; CURRENT FILING DATE: 2004-07-09

; PRIOR APPLICATION NUMBER: US 60/350,061

; PRIOR FILING DATE: 2002-01-18

; NUMBER OF SEQ ID NOS: 795

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO: 215

; LENGTH: 900

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-10-501-035-215

RESULT 2
US-11-188-298-16414

; Sequence 16414, Application US/11188298

; Publication No. US2006007522A1

; GENERAL INFORMATION:

; APPLICANT: Abad, Mark S. et al.

; TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT

; FILE REFERENCE: 38-21 (53452) B

; CURRENT APPLICATION NUMBER: US/11/188,298

; CURRENT FILING DATE: 2005-07-22

; PRIOR APPLICATION NUMBER: 60/592,978

; PRIOR FILING DATE: 2004-07-31

; NUMBER OF SEQ ID NOS: 22569

; SEQ ID NO: 16414

; LENGTH: 213

; TYPE: PRT

; ORGANISM: Oryza sativa

; US-11-188-298-16414

; Sequence 16414, Application US/11188298

; Publication No. US2006007522A1

; GENERAL INFORMATION:

; APPLICANT: Abad, Mark S. et al.

; TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT

; FILE REFERENCE: 38-21 (53452) B

; CURRENT APPLICATION NUMBER: US/11/188,298

; CURRENT FILING DATE: 2005-07-22

; PRIOR APPLICATION NUMBER: 60/592,978

; PRIOR FILING DATE: 2004-07-31

; NUMBER OF SEQ ID NOS: 22569

; SEQ ID NO: 16414

; LENGTH: 213

; TYPE: PRT

; ORGANISM: Oryza sativa

; US-11-188-298-16414

; Sequence 16414, Application US/11188298

; Publication No. US2006007522A1

US-11-188-298-16414

Query Match 21.9%; Score 59.5; DB 7; Length 213;
Best Local Similarity 37.0%; Pred. No. 5.8;
Matches 17; Conservative 6; Mismatches 18; Indels 5; Gaps 1;

Qy 11 PRTHRLPKEMTPVPAFAELISR---LEKLIKLESRHSLEE 51
Db 58 PRDGQPPDLAGMDPAALQAELLRRHAGSFGFVKLRLGVRRSSEE 103

RESULT 3
US-11-188-298-18243
; Sequence 18243, Application US/11888298
; Publication No. US20060075522A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-21(53452)B
; CURRENT APPLICATION NUMBER: US/11/188,288
; CURRENT FILING DATE: 2005-07-22
; PRIOR APPLICATION NUMBER: 60/592,978
; PRIOR FILING DATE: 2004-07-31
; NUMBER OF SEQ ID NOS: 22569
; SEQ ID NO 18243
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Oryza sativa (japonica cultivar-group)

US-11-188-298-18243

Query Match 21.9%; Score 59.5; DB 7; Length 213;
Best Local Similarity 37.0%; Pred. No. 5.8;
Matches 17; Conservative 6; Mismatches 18; Indels 5; Gaps 1;

Qy 11 PRTHRLPKEMTPVPAFAELISR---LEKLIKLESRHSLEE 51
Db 58 PRDGQPPDLAGMDPAALQAELLRRHAGSFGFVKLRLGVRRSSEE 103

RESULT 4
US-11-096-568A-23145
; Sequence 23145, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 23145
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays

LOCATION: (1) -(323)
; OTHER INFORMATION: Ceres Seq. ID no. 12411438

US-11-096-568A-23145

Query Match 21.9%; Score 59.5; DB 7; Length 323;
Best Local Similarity 34.5%; Pred. No. 9.6;
Matches 11; Conservative 11; Mismatches 16; Indels 9; Gaps 2;

Qy 6 SLPHFPRTHRLPKEMTPVPAFAELISRLEKLIKLESRH---SLEERLQ 54
Db 248 ALRNPFQEQATDPDVLLPL--AFSRKVSSRLELQKEYQKROBGTSETSSGERLQ 299

RESULT 5
US-11-188-298-17616
; Sequence 17616, Application US/11888298

US-11-096-568A-23143

Query Match 21.9%; Score 59.5; DB 7; Length 369;
Best Local Similarity 35.8%; Pred. No. 11;
Matches 19; Conservative 7; Mismatches 18; Indels 9; Gaps 3;

Qy 7 LPHPFPRTHRLPKEMTPVPAFAELISR---SLEKLIKLESRHSLEERL 53
Db 276 LPQFPR-RPFPGQFPKVQPAAL--DLIERMLTFNPLQRTIVEALEHPYLRL 325

RESULT 6
US-11-096-568A-23144
; Sequence 23144, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptide
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 23144
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays

FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(381)
; OTHER INFORMATION: Ceres Seq. ID no. 12411437

US-11-096-568A-23144

Query Match 21.9%; Score 59.5; DB 7; Length 381;
Best Local Similarity 34.5%; Pred. No. 12;
Matches 19; Conservative 11; Mismatches 16; Indels 9; Gaps 2;

Qy 6 SLPHFPRTHRLPKEMTPVPAFAELISRLEKLIKLESRH---SLEERLQ 54
Db 306 ALRNPFQEQATDPDVLLPL--AFSFKVSSRLELQKEYQKROBGTSETSSGERLQ 357

RESULT 7
US-11-096-568A-23143
; Sequence 23143, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptide
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 23143
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:

NAME/KEY: misc_feature
 LOCATION: (11..(431)
 OTHER INFORMATION: Ceres Seq. ID no. 12411436
 US-11-096-588A-23143

Query Match 21.9%; Score 59.5; DB 7; Length 431;
 Best Local Similarity 34.5%; Pred. No. 14; Indels 9; Gaps 2;
 Matches 19; Conservative 11; Mismatches 16; Indels 9; Gaps 2;

Qy 6 SLPHEPRTHLPKEMTPVEPAFAELISRLKLELRSRH-----SLEERLQ 54
 Db 356 ALRNFPQATDPVLP-----AFSFKVSSLRLQKEYQKROGTSETSSGERLQ 407

RESULT 8
 US-11-096-051-2
 / Sequence 2, Application US/11096051
 / GENERAL INFORMATION:
 / APPLICANT: Kekuda, Ramesh
 / APPLICANT: MacLachlan, Timothy K
 / APPLICANT: Rastelli, Luca
 / APPLICANT: Vernet, Corine
 / APPLICANT: Ettenberg, Seth
 / TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
 / FILE REFERENCE: Attorney Docket No. Cura 967
 / CURRENT FILING DATE: US/11/096,051
 / PRIOR FILING DATE: 2005-03-30
 / PRIOR APPLICATION NUMBER: 10/038,854
 / PRIOR FILING DATE: 2001-12-31
 / PRIOR APPLICATION NUMBER: 10/455,772
 / PRIOR FILING DATE: 2003-06-04
 / PRIOR FILING DATE: 2004-03-30
 / NUMBER OF SEQ ID NOS: 38
 / PRIOR APPLICATION NUMBER: 10/038,854
 / LENGTH: 2715
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-11-096-051-2

Query Match 21.9%; Score 59.5; DB 7; Length 2715;
 Best Local Similarity 26.3%; Pred. No. 1.2e+02; Indels 29; Gaps 2;
 Matches 20; Conservative 18; Mismatches 18; Indels 29; Gaps 2;

Qy 3 GQVSLPHPRTHLPKEMTPVEPAFAELISRLKLELRSRH-----SLEERLQ 42
 Db 178 GOSTLQPLPSHKQHSAQHPSITSLNRLNRSQAPPALPAELQTTPESVQLD 237

Qy 43 -----LESRHS 49
 Db 238 SWVLGSNVPLESRHFL 253

RESULT 10
 US-11-096-051-10
 / Sequence 10, Application US/11096051
 / Publication No. US20050244868A1
 / GENERAL INFORMATION:
 / APPLICANT: Kekuda, Ramesh
 / APPLICANT: MacLachlan, Timothy K
 / APPLICANT: Rastelli, Luca
 / APPLICANT: Vernet, Corine
 / APPLICANT: Ettenberg, Seth
 / TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
 / FILE REFERENCE: Attorney Docket No. Cura 967
 / CURRENT APPLICATION NUMBER: US/11/096,051
 / CURRENT FILING DATE: 2005-03-30
 / PRIOR APPLICATION NUMBER: 10/038,854
 / PRIOR FILING DATE: 2001-12-31
 / PRIOR APPLICATION NUMBER: 10/455,772
 / PRIOR FILING DATE: 2003-06-04
 / NUMBER OF SEQ ID NOS: 38
 / SOFTWARE: CuraSeqList version 0.1
 / SEQ ID NO 2
 / SEQ ID NO 10
 / LENGTH: 2721
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-11-096-051-10

Query Match 21.9%; Score 59.5; DB 7; Length 2721;
 Best Local Similarity 26.3%; Pred. No. 1.2e+02; Indels 29; Gaps 2;

Matches 20; Conservative 18; Mismatches 18; Indels 29; Gaps 2;

Qy 3 GQVSLPHPRTHLPKEMTPVEPAFAELISRLKLELRSRH-----SLEERLQ 42
 Db 178 GOSTLQPLPSHKQHSAQHPSITSLNRLNRSQAPPALPAELQTTPESVQLD 237

Qy 43 -----LESRHS 49
 Db 238 SWVLGSNVPLESRHFL 253

RESULT 9
 US-11-113-424-51
 / Sequence 51, Application US/11113424
 / Publication No. US20050260713A1
 / GENERAL INFORMATION:
 / APPLICANT: Gangolli, et al.
 / TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
 / FILE REFERENCE: 214,02-225
 / CURRENT APPLICATION NUMBER: US/11/113,424
 / CURRENT FILING DATE: 2005-04-21
 / PRIOR APPLICATION NUMBER: 60/256,704
 / PRIOR FILING DATE: 2000-12-19
 / PRIOR APPLICATION NUMBER: 60/311,590
 / PRIOR FILING DATE: 2001-08-10
 / PRIOR APPLICATION NUMBER: 60/257,314
 / PRIOR FILING DATE: 2000-12-20
 / PRIOR APPLICATION NUMBER: 60/311,613
 / PRIOR FILING DATE: 2001-08-10

Page 4

: PRIORITY FILING DATE: 2000-04-04
: NUMBER OF SEQ ID NOS: 1044
: SEQ ID NO: 5959
: LENGTH: 724
: TYPE: PRT
: ORGANISM: *B.fragilis*
us-11-079-463-5959

Query Match 21.0%; Score 57; DB 7; Length 724;
Best Local Similarity 39.1%; Pred. No. 51;
Matches 18; Conservative 4; Mismatches 12; Indels 12; Gaps 2;
Qy 18 KEMTP-----VEPAFAA--AELISRLEKLUKLEESRHSLEE 51
Db 139 KEITPLLSAHRDDISLNPAFLFARVKEYVERREXLGLDEQNKLEE 184

Search completed: April 20, 2006, 16:07:53
Job time : 3.99208 secs

GenCore version 5.1.7
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OM protein - protein search, using SW model

Run on: April 20, 2006, 15:30:33 ; Search time 5.76517 Seconds
 (without alignments)
 989.497 Million cell updates/sec

Title: US-09-587-574-4
 Perfect score: 360
 Sequence: 1 QIREDEKEGSEQEQLSSRQD.....VLKTPGCQSPGVGRYSR 69

Scoring table: BLOSUM62
 Gapext 0.5

Scoring table: Gap 10.0 , Gapext 0.5

Searched: 572060 seqs, 822675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing First 45 summaries

Database : Issued_Patents_AA:*

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2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/H_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/backfiless.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1.46	40.6	855	2 US-08-890-865A-10	Sequence 10, Appli
2	1.95	38.8	992	2 US-08-890-865A-1	Sequence 1, Appli
3	1.13	31.5	900	2 US-08-890-865A-4	Sequence 4, Appli
4	1.72	20.5	1088	2 US-09-920-804-2	Sequence 2, Appli
5	1.72	20.1	1129	2 US-09-734-674-2	Sequence 2, Appli
6	1.72	20.1	1129	2 US-10-274-990-2	Sequence 2, Appli
7	1.70	19.4	856	2 US-09-605-703B-2760	Sequence 2760, Appli
8	1.69	19.3	1034	2 US-10-104-047-2343	Sequence 2343, Appli
9	1.68	19.0	441	2 US-08-764-870-9	Sequence 9, Appli
10	1.68	19.0	441	2 US-08-980-115-9	Sequence 9, Appli
11	1.68	19.0	441	2 US-09-165-265-7	Sequence 7, Appli
12	1.68	19.0	500	2 US-09-919-016-11597	Sequence 11597, Appli
13	1.67	18.8	595	2 US-09-222-991A-17434	Sequence 17434, Appli
14	1.66	18.5	441	2 US-09-976-594-1000	Sequence 1000, Appli
15	1.65	18.1	90	2 US-19-270-767-40580	Sequence 40580, Appli
16	1.65	18.1	90	2 US-09-270-767-5576	Sequence 5576, Appli
17	1.64	17.8	605	2 US-09-919-016-11347	Sequence 11347, Appli
18	1.64	17.8	878	2 US-09-903-540-11650	Sequence 11650, Appli
19	1.63	17.6	434	1 US-08-710-249-4	Sequence 4, Appli
20	1.63	17.6	434	2 US-09-220-157A-4	Sequence 4, Appli
21	1.62	17.4	1042	2 US-08-928-361B-11	Sequence 11, Appli
22	1.62	17.4	1042	2 US-09-568-991A-11	Sequence 5, Appli
23	1.62	17.4	1837	2 US-08-938-361B-5	Sequence 5, Appli
24	1.62	17.4	1837	2 US-09-538-995A-5	Sequence 5, Appli
25	1.62	17.2	348	2 US-08-415-655-5	Sequence 13, Appli
26	1.62	17.2	348	2 US-08-415-655-13	Sequence 15, Appli
27	1.62	17.2	348	2 US-08-415-655-9	Sequence 15, Appli

ALIGNMENTS

RESULT 1
 US-08-890-865A-10
 ; Sequence 10, Application US/08890865A
 ; Patent No. 6,307,019
 ; GENERAL INFORMATION:
 ; APPLICANT: Constantini, Franklin
 ; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
 ; NUMBER OF SEQUENCES: 23
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Cooper & Dunham LLP
 ; STREET: 1185 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: US
 ; ZIP: 10036
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/890,865A
 ; FILING DATE: 10-JUL-1997
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: White, John P
 ; REGISTRATION NUMBER: 28,678
 ; REFERENCE DOCKET NUMBER: 0575/54249
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212)278-0400
 ; TELEFAX: (212)391-0526
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 855 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Protein
 ; US-08-890-865A-10

Qy

3 REDEBK-----EGSEQUALSSRSDBGAPVQHPLALLPSG-----33

Db 417 REAEKLRLKVRABEEGEDADISSCPSPV-ISHK--MPSAQPFHHFAPRYSEMGAG 472

Qy 34 -----SYBEDPQTIDDLHSRVLKTPGQSPGVGRYSR 69

Db 473 MQMRDAHEENPESTIDEHQVRMTCPGCOSPGPGRHSKPR 513

RESULT 2
US-08-890-865A-1
; Sequence 1, Application US/08890865A

; Patent No. 6307019
GENERAL INFORMATION:
APPLICANT: Constantini, Franklin

APPLICANT: Zeng, Li
TITLE OF INVENTION: AXIN GENE AND USES THEREOF

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: US

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/890,865A

FILING DATE: 10-JUL-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: White, John P

REGISTRATION NUMBER: 28,678

REFERENCE/DOCKET NUMBER: 0575/54249

TELEPHONE: (212) 278-0400

TELEFAX: (212) 391-0526

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 900 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: Protein

US-08-890-865A-4

Query Match 31.5%; Score 113.5%; DB 2; Length 900;

Best Local Similarity 34.4%; Pred. No. 1.see-05;

Matches 33; Conservative 10; Mismatches 22; Indels 31; Gaps 3;

3 REDEBEK-----EGSEBQLSSRDGAPVQHPLALLPS-----32

Db 440 REABERBLERLKVRMPEEGEDSPSSPPGPSC-HKLPAPANTHPPRLCWTWACAGIR 498

Query Match 31.5%; Score 113.5%; DB 2; Length 900;

Best Local Similarity 34.4%; Pred. No. 1.see-05;

Matches 33; Conservative 10; Mismatches 22; Indels 31; Gaps 3;

3 GSYBEDPOTILDHLSRVLKTPCGCQSPGVGRYSPRS 68

Db 499 DAHEENPSILDEVQRVLRTGQSPGPGRSPS 534

RESULT 4
US-09-920-804-2

; Sequence 2, Application US/09920804

; Patent No. 6673899

GENERAL INFORMATION:

APPLICANT: Seino, Susumu; JCR Pharmaceuticals Co., Ltd.

FILE REFERENCE: GP44

TITLE OF INVENTION: Sodium Ion-Driven Chloride/Bi-Carbonate Exchanger

CURRENT APPLICATION NUMBER: US/09/920,804

CURRENT FILING DATE: 2001-08-03

NUMBER OF SEQ ID NOS: 8

SEQ ID NO 2

LENGTH: 1088

TYPE: PRT

ORGANISM: Mus musculus

US-09-920-804-2

Query Match 20.1%; Score 72.5%; DB 2; Length 1088;

Best Local Similarity 38.3%; Pred. No. 3.4;

Matches 18; Conservative 6; Mismatches 18; Indels 5; Gaps 2;

4 EDEKEKEGSEQEQUALSSRDGAPVQHPLALLPSYBEDPQT1-LDDHLSR 49

Db 1018 EDARKKEEFSMLAMEDECTVQL1---EGHVRDPSVINSBMSK 1060

RESULT 5
US-09-734-674-2

; Sequence 2, Application US/09734674

; Patent No. 6498022

GENERAL INFORMATION:

APPLICANT: Wei, Ming-Hui et al

TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS

; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS

TITLE OF INVENTION: AND USES THEREOF
 FILE REFERENCE: CL001018
 CURRENT APPLICATION NUMBER: US/09/734,674
 CURRENT FILING DATE: 2000-12-13
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO 2
 LENGTH: 1129
 TYPE: PRT
 ORGANISM: Human
 US-09-734-674-2

Query Match 20.1%; Score 72.5; DB 2; Length 1129;
 Best Local Similarity 38.3%; Pred. No. 3-6;
 Matches 18; Conservative 6; Mismatches 18; Indels 5; Gaps 2;

RESULT 6
 US-10-274-990-2
 Sequence 2, Application US/10274990
 Patent No. 6878808
 GENERAL INFORMATION:
 APPLICANT: WEI, Wang-Hui et al
 TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF
 FILE REFERENCE: CL001018 DIV
 CURRENT APPLICATION NUMBER: US/10/274,990
 CURRENT FILING DATE: 2000-10-22
 PRIOR APPLICATION NUMBER: 09-734,674
 PRIOR FILING DATE: 2000-12-13
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO 2
 LENGTH: 1129
 TYPE: PRT
 ORGANISM: Human
 US-10-274-990-2

Query Match 20.1%; Score 72.5; DB 2; Length 1129;
 Best Local Similarity 38.3%; Pred. No. 3-6;
 Matches 18; Conservative 6; Mismatches 18; Indels 5; Gaps 2;

RESULT 7
 US-09-605-703B-2760
 Sequence 2760, Application US/09605703B
 Patent No. 6962989
 GENERAL INFORMATION:
 APPLICANT: Pompeius, Markus
 APPLICANT: Kroger, Burkhard
 APPLICANT: Schröder, Hartwig
 APPLICANT: Haberhauer, Gregor
 TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL PROTEINS
 FILE REFERENCE: BGI-124CP
 CURRENT APPLICATION NUMBER: US/09/605,703B
 CURRENT FILING DATE: 2000-06-27
 PRIOR APPLICATION NUMBER: 60/142,764
 PRIOR FILING DATE: 1999-07-08
 PRIOR APPLICATION NUMBER: 60/152,318
 PRIOR FILING DATE: 1999-09-03
 SEQ ID NO 2760
 NUMBER OF SEQ ID NOS: 2934

Query Match 19.4%; Score 70; DB 2; Length 856;
 Best Local Similarity 36.8%; Pred. No. 5-2;
 Matches 14; Conservative 6; Mismatches 12; Indels 6; Gaps 1;

Qy 15 LSSRDGAPVQ-----IHPALLPGSYEEDPQTLLDHD 46
 Db 94 LTDSDGNLQAGSSGTHPLATYQGEGVNSPEPTLIDGH 131

Query Match 19.4%; Score 70; DB 2; Length 856;
 Best Local Similarity 36.8%; Pred. No. 5-2;
 Matches 14; Conservative 6; Mismatches 12; Indels 6; Gaps 1;

Qy 15 LSSRDGAPVQ-----IHPALLPGSYEEDPQTLLDHD 46
 Db 94 LTDSDGNLQAGSSGTHPLATYQGEGVNSPEPTLIDGH 131

RESULT 8
 US-10-104-047-2343
 Sequence 2343, Application US/10104047
 Patent No. 6943241
 GENERAL INFORMATION:
 APPLICANT: HELIX RESEARCH INSTITUTE
 TITLE OF INVENTION: No. 6943241el full length cDNA
 FILE REFERENCE: H1-A0105
 CURRENT APPLICATION NUMBER: US/10/104,047
 CURRENT FILING DATE: 2002-03-25
 PRIOR APPLICATION NUMBER:
 PRIOR FILING DATE:
 NUMBER OF SEQ ID NOS: 4096
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 2343
 LENGTH: 1034
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-104-047-2343

Query Match 19.3%; Score 69.5; DB 2; Length 1034;
 Best Local Similarity 28.8%; Pred. No. 7-8;
 Matches 23; Conservative 15; Mismatches 11; Indels 31; Gaps 5;

Qy 2 IREDEE--KEGSBQ-----ALSS-----RDGAPVQHPLLI,PGGSYBBDPOTI 42
 Db 651 LKEEEKLKEGESEKEPQPLEPTSALSNCALANHAPALCINPLSAL-----QSV 701

Query Match 19.3%; Score 69.5; DB 2; Length 1034;
 Best Local Similarity 28.8%; Pred. No. 7-8;
 Matches 23; Conservative 15; Mismatches 11; Indels 31; Gaps 5;

Qy 2 IREDEE--KEGSBQ-----ALSS-----RDGAPVQHPLLI,PGGSYBBDPOTI 42
 Db 651 LKEEEKLKEGESEKEPQPLEPTSALSNCALANHAPALCINPLSAL-----QSV 701

RESULT 9
 US-08-764-870-9
 Sequence 9, Application US/08764870
 Patent No. 6235946
 GENERAL INFORMATION:
 APPLICANT: Scanlan, Thomas S
 APPLICANT: Scanlan, John D
 APPLICANT: Flitterick, Robert J
 APPLICANT: Wagner, Richard L
 APPLICANT: Kushner, Peter J
 APPLICANT: Apriletti, James W
 APPLICANT: West, Brian
 TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand Binding Domains
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSSEE: Cooley Godward
 STREET: Five Palo Alto Square, 3000 El Camino Real
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94306
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

PATENT APPLICATION DATA:

- APPLICATION NUMBER: US/08/764,870
- FILING DATE: 13-DEC-1996
- CLASSIFICATION: 530
- PRIOR APPLICATION DATA:

 - APPLICATION NUMBER: US 60/008,540
 - FILING DATE: 13-DEC-1995
 - PRIOR APPLICATION NUMBER: US 60/008,543
 - FILING DATE: 13-DEC-1995
 - PRIOR APPLICATION DATA:

 - APPLICATION NUMBER: US 60/008,606
 - FILING DATE: 14-DEC-1995
 - ATTORNEY/AGENT INFORMATION:
 - NAME: Nakamura, Jackie N
 - REGISTRATION NUMBER: 35,966
 - REFERENCE/DOCKET NUMBER: UCAL-246/01US
 - TELECOMMUNICATION INFORMATION:
 - TELEPHONE: (650) 843-5000
 - INFORMATION FOR SEQ ID NO: 9:
 - SEQUENCE CHARACTERISTICS:

 - LENGTH: 441 amino acids
 - TYPE: amino acid
 - STRANDEDNESS:
 - TOPOLOGY: linear
 - MOLECULE TYPE: protein

US-08-764-870-9

Query Match 19.0%; Score 68.5; DB 2; Length 441;

Best Local Similarity 30.3%; Pred. No. 3.3;

Matches 23; Conservative 10; Mismatches 26; Indels 17; Gaps 4;

Qy 1 QIREDEKEKGSEOALSSRDGAPVQH--PLALLPSGSYEE----DPQTILDHLSRVLK 53

Db 10 EVREEEKEEVAEA---EGAPELNGGQHALPSSSTDLSSSSPSSLDQ----LQ 59

Qy 54 PGCGSPGYGRYSPRSR 69

Db 60 MGCDGASCGSLNMECR 75

RESULT 10

US-08-980-115-9

Sequence 9, Application US/08980115

PATENT NUMBER: 6266622

GENERAL INFORMATION:

 - APPLICANT: Scanlan, Thomas S.
 - APPLICANT: Baxter, John D.
 - APPLICANT: Fletterick, Robert J.
 - APPLICANT: Wagner, Richard L.
 - APPLICANT: Apriletti, James W.
 - APPLICANT: West, Brian L.
 - APPLICANT: Shiu, Andrew K.

TITLE OF INVENTION: NUCLEAR RECEPTOR LIGANDS AND LIGAND BINDING DOMAINS

FILE REFERENCE: UCAL-246/02US

CURRENT APPLICATION NUMBER: US/08/980,115

CURRENT FILING DATE: 1997-11-26

EARLIER APPLICATION NUMBER: 08/764,870

EARLIER FILING DATE: 1996-12-13

EARLIER APPLICATION NUMBER: 60/008,606

EARLIER FILING DATE: 1995-12-14

EARLIER APPLICATION NUMBER: 60/008,543

EARLIER FILING DATE: 1995-12-13

EARLIER APPLICATION NUMBER: 60/008,540

EARLIER FILING DATE: 1995-12-13

NUMBER OF SEQ ID NOS: 17

SEQ ID NO 9

LENGTH: 441

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE: DOMAIN

NAME/KEY: (441)

LOCATION: (168)

OTHER INFORMATION: minimal ligand binding domain

US-08-980-115-9

Query Match 19.0%; Score 68.5; DB 2; Length 441;

Best Local Similarity 30.3%; Pred. No. 3.3;

Matches 23; Conservative 10; Mismatches 26; Indels 17; Gaps 4;

Qy 1 QIREDEKEKGSEOALSSRDGAPVQH--PLALLPSGSYEE----DPQTILDHLSRVLK 53

Db 10 EVREEEKEEVAEA---EGAPELNGGQHALPSSSTDLSSSSPSSLDQ----LQ 59

Qy 54 PGCGSPGYGRYSPRSR 69

Db 60 MGCDGASCGSLNMECR 75

RESULT 11

US-09-166-265-7

Sequence 7, Application US/09166265

PATENT NO. 668574

GENERAL INFORMATION:

- APPLICANT: Cummings, Richard T.
- APPLICANT: Hermes, Jeffrey D.
- APPLICANT: Moller, David E.
- APPLICANT: Zhou, Gaochao

TITLE OF INVENTION: ASSAYS FOR NUCLEAR RECEPTOR AGONISTS AND ENERGY TRANSFER

FILE REFERENCE: 20017

CURRENT APPLICATION NUMBER: US/09/166,265

CURRENT FILING DATE: 1998-10-05

NUMBER OF SEQ ID NOS: 12

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 7

LENGTH: 441

TYPE: PRT

ORGANISM: Homo sapiens

US-09-166-265-7

Query Match 19.0%; Score 68.5; DB 2; Length 441;

Best Local Similarity 30.3%; Pred. No. 3.3;

Matches 23; Conservative 10; Mismatches 26; Indels 17; Gaps 4;

Qy 1 QIREDEKEKGSEOALSSRDGAPVQH--PLALLPSGSYEE----DPQTILDHLSRVLK 53

Db 10 EVREEEKEEVAEA---EGAPELNGGQHALPSSSTDLSSSSPSSLDQ----LQ 59

Qy 54 PGCGSPGYGRYSPRSR 69

Db 60 MGCDGASCGSLNMECR 75

RESULT 12

US-09-949-016-11597

Sequence 11597, Application US/09949016

PATENT NO. 6812339

GENERAL INFORMATION:

- APPLICANT: Venter, J. Craig et al.
- APPLICANT: Cummings, Richard T.
- APPLICANT: Scanlan, Thomas S.
- APPLICANT: Fletterick, Robert J.
- APPLICANT: Wagner, Richard L.
- APPLICANT: Apriletti, James W.
- APPLICANT: West, Brian L.
- APPLICANT: Shiu, Andrew K.

TITLE OF INVENTION: METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CLO01207

CURRENT APPLICATION NUMBER: US/09/949,016

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/237,768

PRIOR FILING DATE: 2000-10-03

PRIOR APPLICATION NUMBER: 60/231,498

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 12

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 11597
 LENGTH: 500
 TYPE: PRT
 ORGANISM: Human
 US-09-949-016-11597

Query Match 19.0%; Score 68.5; DB 2; Length 500;
 Best Local Similarity 30.3%; Pred. No. 3.9; Mismatches 26; Indels 17; Gaps 4;

Matches 23; Conservative 10; Mismatches 26; Indels 17; Gaps 4;

Qy 1 QIREDEEKEKGSEQEQLSSRGAPVH-PLALLPSGYEE---DPQTILDHLSRVLK 53
 Db 69 EVREEEKEEVAEA---EGAPELNGPQHALPSSYTDLSRSSSPSILDQ----LQ 118

Qy 54 PGCGSPGVGRYSPSR 69
 Db 119 MGCGDAGCGSLSNMBCR 134

RESULT 13
 US-09-25-991A-17434
 Sequence 17434, Application US/09252991A
 Patent No. 6551795

GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196_136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,798
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 17434
 LENGTH: 595
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-17434

Query Match 18.8%; Score 67.5; DB 2; Length 595;
 Best Local Similarity 38.3%; Pred. No. 6.6; Mismatches 6; Indels 1; Gaps 1;
 Matches 18; Conservative 6; Mismatches 22; Indels 1; Gaps 1;

Qy 1 8 RDGAPVHPLALLPSGYEEDPQTILD-DHLSRVLKTCQSPGVGR 63
 Db 539 RQAGYLERPVAGVPGSSAEPAAELDATHRALARHAGPPAAGPGR 585

RESULT 14
 US-09-976-594-1000
 Sequence 1000, Application US/09976594
 Patent No. 6673549

GENERAL INFORMATION:
 APPLICANT: Furness, Michael
 APPLICANT: Buchbinder, Jenny
 TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
 FILE REFERENCE: PA-0041 US
 CURRENT APPLICATION NUMBER: US/09/976,594
 CURRENT FILING DATE: 2001-10-12
 PRIOR APPLICATION NUMBER: 60/240,409
 PRIOR FILING DATE: 2000-10-12
 NUMBER OF SEQ ID NOS: 1143
 SOFTWARE: PERL Program
 SEQ ID NO 1000
 LENGTH: 441
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE: misc feature
 NAME/KEY: misc feature
 OTHER INFORMATION: Incyte ID No. 6673549 678004CD1
 US-09-976-594-1000

Query Match 18.5%; Score 66.5; DB 2; Length 441;
 Best Local Similarity 30.4%; Pred. No. 5.3; Mismatches 8; Indels 23; Gaps 4;

Matches 24; Conservative 24; Mismatches 24; Indels 23; Gaps 4;

Qy 1 QIREDEEKEKGSEQEQLSSRGAPVH-PLALLPSGYEEDPQTILDHLSRVLK 54
 Db 10 EVREEEKEEVAEA---EGAPELNGPQHALPSSYTD----LSRSSSPSRLD 56

Qy 55 -----GCQSPGVGRYSPSR 69
 Db 57 QLQNGDAGCGSLSNMBCR 75

RESULT 15
 US-09-270-767-40580
 Sequence 40580, Application US/09270767

GENERAL INFORMATION:
 APPLICANT: Homburger et al.
 TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*
 FILE REFERENCE: File Reference: 7326-004
 CURRENT APPLICATION NUMBER: US/09/270,767
 CURRENT FILING DATE: 1999-03-17
 NUMBER OF SEQ ID NOS: 62517
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 40580
 LENGTH: 90
 TYPE: PRT
 ORGANISM: *Drosophila melanogaster*
 US-09-270-767-40580

Query Match 18.1%; Score 65; DB 2; Length 90;
 Best Local Similarity 28.3%; Pred. No. 1.1; Mismatches 10; Indels 0; Gaps 0;

Matches 15; Conservative 10; Mismatches 28; Indels 0; Gaps 0;

Qy 2 IREDEEKEKGSEQEQLSSRGAPVHPLALLPSGYEEDPQTILDHLSRVLK 54
 Db 7 LRPKQERGGSNHOLNNNSKPNNSDSSKISSGSEVENTSATNGPHNSNSTLPTP 59

Search completed: April 20, 2006, 15:32:30
 Job time : 6.76517 secs

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OM protein - protein search, using sw model

Run on: April 20, 2006, 15:57:53 ; Search time 23.971 Seconds
(without alignments)
1202.714 Million cell updates/sec

Title: US-09-587-574-4
Perfect score: 360
Sequence: 1 QIREDEKEGSEQALSSRQDG.....VLXTPGCQSPGVRGYSRSPR 69

Scoring table: BLOSUM62
Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867559

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 0%
Listing first 45 summaries

Database : Published Applications AA Main: *
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2: /cgn2_6/ptodata/1/pubbaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubbaa/US10A_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	332	92.2	843	5 US-10-723-860-1797	Sequence 1797, Ap
2	332	92.2	843	5 US-10-736-1116	Sequence 116, App
3	158	43.9	842	3 US-09-798-831-8	Sequence 8, App
4	122	33.9	826	4 US-10-786-720-36	Sequence 36, App
5	122	33.9	862	4 US-10-786-720-35	Sequence 35, App
6	121.5	33.8	912	4 US-10-092-900A-270	Sequence 270, App
7	113.5	31.5	900	4 US-10-374-979-91	Sequence 91, App
8	113.5	31.5	900	4 US-10-182-936A-91	Sequence 91, App
9	113.5	31.5	900	5 US-10-477-238A-670	Sequence 670, App
10	113.5	31.5	900	5 US-10-630-287A-670	Sequence 670, App
11	113.5	31.5	900	5 US-10-477-173-670	Sequence 670, App
12	75	20.8	218	4 US-10-452-115-227845	Sequence 227845, App
13	75	20.8	1487	4 US-10-437-963-124794	Sequence 124794,
14	73	20.3	175	4 US-10-425-115-227847	Sequence 205230,
15	72.5	20.1	182	4 US-10-425-115-205230	Sequence 56486, A
16	72.5	20.1	593	4 US-10-425-114-564860	Sequence 2, App
17	72.5	20.1	1088	3 US-19-920-804-2	Sequence 2, App
18	72.5	20.1	1088	4 US-10-610-483-2	Sequence 2, App
19	72.5	20.1	1129	3 US-09-734-674-2	Sequence 2, App
20	72.5	20.1	1129	4 US-10-274-990-2	Sequence 2, App
21	72.5	20.1	1129	6 US-11-051-825-2	Sequence 2, App
22	72.5	20.1	1272	5 US-10-450-763-33467	Sequence 33467, A
23	71.5	19.9	307	4 US-10-445-115-24452	Sequence 24452,
24	70	19.4	862	3 US-09-738-626-3956	Sequence 3956, App
25	70	19.4	862	5 US-10-494-672-308	Sequence 308, App
26	69.5	19.3	128	4 US-10-425-115-262984	Sequence 262984, App
27	69.5	19.3	670	3 US-09-864-761-49062	Sequence 49062, App

ALIGNMENTS

RESULT 1
US-10-723-860-1797
; Sequence 1797, Application US/10723860A1
; GENERAL INFORMATION:
; APPLICANT: Azi, Natasha
; INVENTOR: Zlotnik, Albert
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882_0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723, 860
; CURRENT FILING DATE: 2003-11-26
; PRIORITY DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 1797
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-723-860-1797

Query Match 92.2%; Score 332; DB 5; Length 843;
Best Local Similarity 89.9%; Pred. No. 5.3e-30;
Matches 62; Conservative 3; Mismatches 0; Gaps 0;

Qy 1 QIREDEKEGSEQALSSRQDGAVQHPLLSSGSSYEDDPOTILDHLSRVLKTPGCCSPG 60
Db 397 QIREDEKEGSEQALSSRQDGAVQHPLLSSGSSYEDDPOTILDHLSRVLKTPGCCSPG 456

Qy 61 VGRYSPRSR 69
Db 457 VGRYSPRSR 465

RESULT 2
US-10-751-736-116
; Sequence 116, Application US/10751736
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; INVENTOR: Martine, Robert
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100027 (031896-002000)
; CURRENT APPLICATION NUMBER: US/10/751, 736
; CURRENT FILING DATE: 2003-01-06

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i PRIORITY APPLICATION NUMBER: US Provisional Application 60/438,000
i PRIORITY FILING DATE: 2003-01-06
i NUMBER OF SEQ ID NOS: 54 873
i SOFTWARE: PatentIn version 3.2
i SEQ ID NO: 116
i LENGTH: 843
i TYPE: PRT
i ORGANISM: Homo sapiens
i US-10-751-736-116

Query Match Score 92.2%; DB 5; Length 843;
Best Local Similarity 89.9%; Pred. No. 5_3e-30;
Matches 62; Conservative 4; Mismatches 3; Indels 0
Qy 1 QIREDEBKEKGSSQALSSRGAPYQHPLALLPSSEYEDPQTILDHLSRVLKTY
Db 397 QIREDEEREGSSELTNSREGAPYQHPLSLLPSSEYEDPQTILDHLSRVLKTY

Query Match Score 92.2%; DB 5; Length 843;
Best Local Similarity 89.9%; Pred. No. 5_3e-30;
Matches 62; Conservative 4; Mismatches 3; Indels 0
Qy 61 VGRYSPRSR 69
Db 457 VGRYSPRSR 465

RESULT 3
US-09-798-831-8
i Sequence 8, Application US/09798831.
i Patent No. US2010052137A1
i GENERAL INFORMATION:
i APPLICANT: KLEIN, Peter S.
i TITLE OF INVENTION: AIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF
i TITLE OF INVENTION: SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS
i TITLE OF INVENTION: SIGNALING
i FILE REFERENCE: 209596_0391/3060J
i CURRENT APPLICATION NUMBER: US/09/798, 831
i CURRENT FILING DATE: 2001-03-01
i PRIOR APPLICATION NUMBER: US 60/186,141
i PRIOR FILING DATE: 2000-03-01
i NUMBER OF SEQ ID NOS: 12
i SOFTWARE: PatentIn Ver. 2.1
i SEQ ID NO: 8
i LENGTH: 842
i TYPE: PRT
i ORGANISM: Xenopus laevis
i US-09-798-831-8

Query Match Score 43.9%; DB 3; Length 842;
Best Local Similarity 40.0%; Pred. No. 1e-09;
Matches 34; Conservative 14; Mismatches 11; Indels 26
Qy 7 EKEGSEQALSSRGAPYQHPLALLPSG-----
Db 419 EBEGBddGbdGSSGV-1SHK--LPSGGPMHHFNSRYSETGCVGMQIRDAAHE

RESULT 4
US-10-786-720-36
i Sequence 36, Application US/10786720
i Publication No. US20040191818A1
i GENERAL INFORMATION:
i APPLICANT: Wyeth
i APPLICANT: O'Toole, Margot
i APPLICANT: Liu, Wei
i TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND
i TITLE OF INVENTION: DISEASES
i FILE REFERENCE: 0318996_023000 (AM101331L)
i CURRENT APPLICATION NUMBER: US/10/786,720
i CURRENT FILING DATE: 2004-02-26
i NUMBER OF SEQ ID NOS: 1135
i SOFTWARE: PatentIn version 3.2

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SEQ ID NO 36
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-786-720-36

Query Match 33.9%; Score 122; DB 4; Length 826;
Best Local Similarity 35.8%; Pred. No. 3.1e-05;
Matches 34; Conservative 10; Mismatches 21; Indels 30; Gaps 3;
-----G 33

Qy 3 REDEEK-----EGSEQAQLSSRGAPVQHPLALLPS-----
Db 403 REAEKLBELKRVRMEEEGEDGDPSSPPGPGC-HKLPPAPAWHFFPBRVCDMGCAGLRD 461

Qy 34 SYEEDPOTIILDDHLSRVLKTPGCOSPGVGRYSPRS 68
Db 462 AHEENPESIILDEHQVRVLRTPGROSPPGHRSPDS 496

-----G 33

RESULT 5
US-10-786-720-35
; Sequence 35, Application US/10786720
; Publication No. US20040191818A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Liu, Wei
; APPLICANT: O'Toole, Margot
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE DISEASES
; TITLE OF INVENTION:
; FILE REFERENCE: 03:1896-023000 (AM101331L)
; CURRENT APPLICATION NUMBER: US/10/786,720
; CURRENT FILING DATE: 2004-02-26
; NUMBER OF SEQ ID NOS: 2:135
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35
; LENGTH: 862
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-786-720-35

Query Match 33.9%; Score 122; DB 4; Length 862;
Best Local Similarity 35.8%; Pred. No. 3.3e-05;
Matches 34; Conservative 10; Mismatches 21; Indels 30; Gaps 3;
-----G 33

Qy 3 REDEEK-----EGSEQAQLSSRGAPVQHPLALLPS-----
Db 403 REAEKLBELKRVRMEEEGEDGDPSSPPGPGC-HKLPPAPAWHFFPBRVCDMGCAGLRD 461

Qy 34 SYEEDPOTIILDDHLSRVLKTPGCOSPGVGRYSPRS 68
Db 462 AHEENPESIILDEHQVRVLRTPGROSPPGHRSPDS 496

-----G 33

RESULT 6
US-10-092-900A-270
; Sequence 270, Application US/10092900A
; Publication No. US20040043382A1
; GENERAL INFORMATION:
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Taupier Jr., Raymond J.
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Li, Li
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Ji, Weiheen
; APPLICANT: Gorman, Linda
; APPLICANT: Miller, Charles E.
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Patturajan, Meera
; APPLICANT: Gangolli, Estha A.
; APPLICANT: Verrier, Corine A.M.

-----G 33

```

APPLICANT: Guo, Xiaojaia Sasha T.
 APPLICANT: Tchernyev, Velizar T.
 APPLICANT: Fernandes, Elma R.
 APPLICANT: Casman, Stacie J.
 APPLICANT: Malyankar, Uriel M.
 APPLICANT: Gerlach, Valerie
 APPLICANT: Liu, Yi
 APPLICANT: Anderson, David W.
 APPLICANT: Spaderna, Steven K.
 APPLICANT: Catterton, Elina
 APPLICANT: Leite, Mario W.
 APPLICANT: Zhong, Haihong
 APPLICANT: Alsobrook, John P.
 APPLICANT: Lepley, Denise M.
 APPLICANT: Rieger, Daniel K.
 APPLICANT: Burgess, Catherine E.
 TITLE OF INVENTION: No. US2004043182A1 **Proteins and Nucleic Acids Encoding Same File Reference: 21-02-290C**
 CURRENT APPLICATION NUMBER: US/10/092,900A
 CURRENT FILING DATE: 2002-03-07
 PRIOR APPLICATION NUMBER: US/SN 60/274,322
 PRIOR FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: US/SN 60/283,675
 PRIOR FILING DATE: 2001-04-13
 PRIOR APPLICATION NUMBER: US/SN 60/338,092
 PRIOR FILING DATE: 2001-12-03
 PRIOR APPLICATION NUMBER: US/SN 60/274,281
 PRIOR FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: US/SN 60/274,191
 PRIOR APPLICATION NUMBER: US/SN 60/325,681
 PRIOR FILING DATE: 2001-09-27
 PRIOR APPLICATION NUMBER: US/SN 60/304,354
 PRIOR FILING DATE: 2001-07-10
 PRIOR APPLICATION NUMBER: US/SN 60/279,995
 PRIOR FILING DATE: 2001-03-30
 PRIOR APPLICATION NUMBER: US/SN 60/294,399
 PRIOR FILING DATE: 2001-05-31
 PRIOR APPLICATION NUMBER: US/SN 60/287,124
 PRIOR FILING DATE: 2001-04-30
 Remaining Prior Application data removed - See File Wrapper or PALM.
 SEQ ID NO: 270
 LENGTH: 912
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-092-900A-270

Query Match 33.8%; Score 121.5; DB 4; Length 912;
 Best Local Similarity 35.4%; Pred. No. 4.1e-05;
 Matches 34; Conservative 10; Mismatches 21; Indels 31; Gaps 3;

Qy 3 REDEEK-----EGSEQUALSSRDGAPVQHPLALLPS-----32
 Db 452 REAEKLEERLKRVRMEEBEGDGPSSGPGPC-HKLPAPAWHFPPLCMTWACAGLR 510

Qy 33 GSYEEDPOTIIDLHLSRVLKTPGQSPGVGRSPRS 68
 Db 511 DAHEENPESILDEHVQRVLRTPRSQSPGHRSPDS 546

RESULT 7
 US-10-374-979-91
 Sequence 91, Application US/10374979
 Publication No. US20030219793A1
 GENERAL INFORMATION:
 APPLICANT: John P. Carulli et al.
 TITLE OF INVENTION: THE HIGH BONE MASS GENE OF 11q13.3
 FILE REFERENCE: 032796-021
 CURRENT APPLICATION NUMBER: US/10/374,379
 CURRENT FILING DATE: 2003-03-04
 PRIOR APPLICATION NUMBER: US 09/544,398
 PRIOR FILING DATE: 2000-04-05

APPLICANT: Guo, Xiaojaia Sasha T.
 APPLICANT: Tchernyev, Velizar T.
 APPLICANT: Fernandes, Elma R.
 APPLICANT: Casman, Stacie J.
 APPLICANT: Malyankar, Uriel M.
 APPLICANT: Gerlach, Valerie
 APPLICANT: Liu, Yi
 APPLICANT: Anderson, David W.
 APPLICANT: Spaderna, Steven K.
 APPLICANT: Catterton, Elina
 APPLICANT: Leite, Mario W.
 APPLICANT: Zhong, Haihong
 APPLICANT: Alsobrook, John P.
 APPLICANT: Lepley, Denise M.
 APPLICANT: Rieger, Daniel K.
 APPLICANT: Burgess, Catherine E.
 TITLE OF INVENTION: No. US2004043182A1 **Proteins and Nucleic Acids Encoding Same File Reference: 21-02-290C**
 CURRENT APPLICATION NUMBER: US/10/092,900A
 CURRENT FILING DATE: 2002-03-07
 PRIOR APPLICATION NUMBER: US/SN 60/274,322
 PRIOR FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: US/SN 60/283,675
 PRIOR FILING DATE: 2001-04-13
 PRIOR APPLICATION NUMBER: US/SN 60/338,092
 PRIOR FILING DATE: 2001-12-03
 PRIOR APPLICATION NUMBER: US/SN 60/274,281
 PRIOR FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: US/SN 60/274,191
 PRIOR APPLICATION NUMBER: US/SN 60/325,681
 PRIOR FILING DATE: 2001-09-27
 PRIOR APPLICATION NUMBER: US/SN 60/304,354
 PRIOR FILING DATE: 2001-07-10
 PRIOR APPLICATION NUMBER: US/SN 60/279,995
 PRIOR FILING DATE: 2001-03-30
 PRIOR APPLICATION NUMBER: US/SN 60/294,399
 PRIOR FILING DATE: 2001-05-31
 PRIOR APPLICATION NUMBER: US/SN 60/287,124
 PRIOR FILING DATE: 2001-04-30
 Remaining Prior Application data removed - See File Wrapper or PALM.
 SEQ ID NO: 700
 LENGTH: 912
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-092-900A-270

Query Match 31.5%; Score 113.5; DB 4; Length 900;
 Best Local Similarity 34.4%; Pred. No. 0.00035;
 Matches 33; Conservative 10; Mismatches 22; Indels 31; Gaps 3;

Qy 3 REDEEK-----EGSEQUALSSRDGAPVQHPLALLPS-----32
 Db 440 REAEKLEERLKRVRMEEBEGDGPSSGPGPC-HKLPAPAWHFPPLCMTWACAGLR 498

Qy 33 GSYEEDPOTIIDLHLSRVLKTPGQSPGVGRSPRS 68
 Db 499 DAHEENPESILDEHVQRVLRTPRSQSPGHRSPDS 534

RESULT 9

US-10-477-238A-670
; Sequence 670, Application US/10477238A
; GENERAL INFORMATION:
; APPLICANT: Babij, Phillip
; APPLICANT: Yaworsky, Paul
; Bex, Frederick J. III
; APPLICANT: Bodine, Peter Van Nest
; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
; FILE REFERENCE: 032796-212
; CURRENT APPLICATION NUMBER: US/10/477,238A
; CURRENT FILING DATE: 2003-11-10
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 812
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-477-238A-670

Query Match 31.5%; Score 113.5; DB 5; Length 900;
Best Local Similarity 34.4%; Pred. No. 0.00035;
Matches 33; Conservative 10; Mismatches 22; Indels 31; Gaps 3;

Qy 3 REDEBK------EGSEQALSSRDGAPVQHPLALLPS-----
Db 440 REABEKLRLKVRMEEGDPSSGPPGPC-HKLPPAPAWHFPPLCWTWACGLR 498

Qy 33 GSYEEDPQTILDDHLSRVLKTPGCGSPGVGRYSPRS 68
Db 499 DAHEBNPESILDEHVQRVLRTGRQSPGPGRSPDS 534

RESULT 10
US-10-680-287A-670
; Sequence 670, Application US/10680287A
; GENERAL INFORMATION:
; APPLICANT: Babij, Phillip
; APPLICANT: Yaworsky, Paul
; Bex, Frederick J. III
; APPLICANT: Bodine, Peter Van Nest
; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
; FILE REFERENCE: 032796-179
; CURRENT APPLICATION NUMBER: US/10/680,287A
; PRIOR APPLICATION NUMBER: PCT/US02/14876
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 812
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-680-287A-670

Query Match 31.5%; Score 113.5; DB 5; Length 900;
Best Local Similarity 34.4%; Pred. No. 0.00035;
Matches 33; Conservative 10; Mismatches 22; Indels 31; Gaps 3;

Qy 3 REDEBK------EGSEQALSSRDGAPVQHPLALLPS-----
Db 440 REABEKLRLKVRMEEGDPSSGPPGPC-HKLPPAPAWHFPPLCWTWACGLR 498

Qy 33 GSYEEDPQTILDDHLSRVLKTPGCGSPGVGRYSPRS 68
Db 499 DAHEBNPESILDEHVQRVLRTGRQSPGPGRSPDS 534

RESULT 12
US-10-455-115-227845
; Sequence 227845, Application US/10425115
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(51222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 365326
; SEQ ID NO: 227845

Query Match 31.5%; Score 113.5; DB 5; Length 900;

LENGTH: 218
 TYPE: PRT
 ORGANISM: Zea mays
 FEATURE:
 NAME/KEY: unsure
 LOCATION: (1)..(218)
 OTHER INFORMATION: unsure at all Xaa locations
 FEATURE:
 OTHER INFORMATION: Clone ID: MRT4577_139390C.1.pep
 US-10-425-115-227845

Query Match 20.8%; Score 75; DB 4; Length 218;
 Best Local Similarity 29.5%; Pred. No. 2,1;
 Matches 23; Conservative 6; Mismatches 29; Indels 20; Gaps 3;

Qy 1 QIREDEKEKGSEQEQLSSRSGA-----PVQHPLALLPSGSYEDDPOTILD----D 45
 Db 85 RVNGDRSSQGSPAKQRSGVLSLDIPQLHDLAVRSPKDKKEESPDAALDFSFHSDERSQ 144

Qy 46 HLSRVNLKTP-----GCQS 58
 Db 145 RLQRVCSSSPAPFXAGCSS 162

RESULT 13
 US-10-437-963-124794
 Sequence 124794, Application US/10437963
 Publication No. US20040123343A1

GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Kovacic, David K.
 APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 APPLICANT: Wu, Wei
 APPLICANT: Bokharov, Andrey A.
 APPLICANT: Barbazuk, Brad
 APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
 FILE REFERENCE: 38-21(53221)B
 CURRENT APPLICATION NUMBER: US/10/437,963
 CURRENT FILING DATE: 2003-05-14
 NUMBER OF SEQ ID NOS: 204966
 SEQ ID NO 124794

LENGTH: 1487
 TYPE: PRT
 ORGANISM: Oryza sativa
 FEATURE:
 OTHER INFORMATION: Clone ID: PAT_MRT4530_27499C.1.pep
 US-10-437-963-124794

Query Match 20.8%; Score 75; DB 4; Length 1487;
 Best Local Similarity 31.1%; Pred. No. 2,3;
 Matches 23; Conservative 15; Mismatches 20; Indels 16; Gaps 3;

Qy 4 EDEBEKEKGSEQE-----ALSSRSGAPVQHPLALLPSGSYEDDPOTILDHLSRVLKTP 54
 Db 560 ENDEBEGDEKHTIQQDVVVSQDVAAGLVRMGLPRICFLLEMDPHPFILEDNLVSIL-- 617

Qy 55 GCQSPGPGVGYSPRS 68
 Db 618 ----GLARHSPQS 626

RESULT 14
 US-10-425-115-227847
 Sequence 227847, Application US/10425115
 Publication No. US20040214272A1

GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Kovacic, David K.
 APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei

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OM protein - protein search, using sw model

Run on: April 20, 2006, 16:00:23 ; Search time 3.82322 Seconds

(without alignments)
 794.148 Million cell updates/sec

Title: US-09-587-574-4
 Perfect score: 360
 Sequence: 1 QIREDBEKGESEQALSSRQDG.....VLKTPGCQSPGVRGYSRSPR 69

Scoring table: BLOSUM62
 Gapext 0.5

Searched: 225428 seqs, 44002918 residues

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 10%
 Listing first 45 summaries

Database : Published Applications AA_New:
 1: /SIDSS5/ptodata/2/pubpa/us08_new_pub_pep:
 2: /SIDSS5/ptodata/2/pubpa/us06_new_pub_pep:
 3: /SIDSS5/ptodata/2/pubpa/us07_new_pub_pep:
 4: /SIDSS5/ptodata/2/pubpa/pct_new_pub_pep:
 5: /SIDSS5/ptodata/2/pubpa/us05_new_pub_pep:
 6: /SIDSS5/ptodata/2/pubpa/us10_new_pub_pep:
 7: /SIDSS5/ptodata/2/pubpa/us11_new_pub_pep:
 8: /SIDSS5/ptodata/2/pubpa/us06_new_pub_pep:
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Score %
 Result No. Score Query Match Length DB ID Description

1	113.5	31.5	900	6	US-10-501-035-215	Sequence 215, APP
2	69.5	19.3	1034	7	US-11-072-512-2343	Sequence 2343, APP
3	65	18.1	257	7	US-11-096-568A-20103	Sequence 20103, APP
4	65	18.1	293	7	US-11-096-568A-20102	Sequence 20102, APP
5	65	18.1	300	7	US-11-096-568A-20101	Sequence 20101, APP
6	63.5	17.6	208	7	US-11-188-298-6198	Sequence 6198, APP
7	63.5	17.6	235	7	US-11-188-298-11473	Sequence 11473, APP
8	63.5	17.6	306	6	US-10-330-773-901	Sequence 901, APP
9	62.5	17.4	352	7	US-11-188-298-5344	Sequence 5344, APP
10	62.5	17.4	352	7	US-11-188-298-6924	Sequence 6924, APP
11	61.5	17.1	166	7	US-10-204-639-64	Sequence 2268, APP
12	61.5	17.1	681	7	US-11-074-463-6507	Sequence 6507, APP
13	61	16.9	897	7	US-11-074-512-2474	Sequence 2474, APP
14	61	16.9	593	7	US-11-040-488-2	Sequence 2, APP
15	60.5	16.8	671	7	US-11-096-686-11072	Sequence 11072, APP
16	60	16.7	149	7	US-11-188-298-3668	Sequence 3668, APP
17	59.5	16.5	334	7	US-11-097-093-11034	Sequence 11034, APP
18	59	16.4	765	7	US-11-188-298-17930	Sequence 17930, APP
19	59	16.4	119	7	US-11-188-298-1960	Sequence 1960, APP
20	58.5	16.2	184	6	US-10-981-973-60	Sequence 60, APP
21	58.5	16.2	264	7	US-11-096-568A-11937	Sequence 11937, APP
22	58	16.1	219	7	US-11-096-568A-12944	Sequence 12944, APP
23	58	16.1	235	7	US-11-096-568A-12943	Sequence 12943, APP
24	58	16.1	296	6	US-10-467-657-2944	Sequence 2944, APP

RESULT 1
 US-10-501-035-215
 ; Sequence 215, Application US/10501035
 ; Publication No. US2006004249A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bristol-Myers Squibb Company
 ; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTING INTERACTION OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE
 ; TITLE OF INVENTION:
 ; TITLE OF INVENTION:
 ; TITLE OF INVENTION:
 ; TITLE OF INVENTION:
 ; FILE REFERENCE: D0185_PCT
 ; CURRENT APPLICATION NUMBER: US/10/501,035
 ; CURRENT FILING DATE: 2004-07-09
 ; PRIOR APPLICATION NUMBER: US 60/350,061
 ; PRIOR FILING DATE: 2002-01-18
 ; NUMBER OF SEQ ID NOS: 795
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 215
 ; LENGTH: 900
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-501-035-215

RESULT 2
 US-11-072-512-2343
 ; Sequence 2343, Application US/11072512
 ; Publication No. US2006004945A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ISOGAI, TAKAO
 ; APPLICANT: SUGIYAMA, TOMOYASU
 ; APPLICANT: OTSUKI, TETSUJI
 ; APPLICANT: WAKAMATSU, AI
 ; APPLICANT: SATO, HIROTUKI
 ; APPLICANT: ISHII, SHIZUKO
 ; APPLICANT: YAMAMOTO, JUN-ICHI
 ; APPLICANT: ISONO, YUKIO

Query Match 18.1%; Score 65; DB 7; Length 257;
 Best Local Similarity 44.2%; Pred. No. 2.4;
 Matches 19; Conservative 2; Mismatches 8; Indels 14; Gaps 3;
 SEQ ID NO: 20103
 LENGTH: 257
 TYPE: PRT
 ORGANISM: Zea mays subsp. mays
 FEATURE: LOCATION: (1) (257)
 OTHER INFORMATION: Ceres Seq. ID no. 12376900
 US-11-096-568A-20103

RESULT 4
 US-11-096-568A-20102
 ; Sequence 6198, Application US/11188298
 ; Publication No. US20060015522A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Abed, Mark S. et al.
 ; TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT
 ; FILE REFERENCE: 38-21 (5452) B
 ; CURRENT APPLICATION NUMBER: US/11-188,298
 ; CURRENT FILING DATE: 2005-07-22
 ; PRIOR APPLICATION NUMBER: 60/592,978
 ; PRIOR FILING DATE: 2004-07-31
 ; NUMBER OF SEQ ID NOS: 22569
 ; SEQ ID NO 6198

Query Match 18.1%; Score 65; DB 7; Length 293;
 Best Local Similarity 44.2%; Pred. No. 2.8;
 Matches 19; Conservative 2; Mismatches 8; Indels 14; Gaps 3;
 SEQ ID NO: 20102
 LENGTH: 293
 TYPE: PRT
 ORGANISM: Zea mays subsp. mays
 FEATURE: NAME/KEY: misc feature
 LOCATION: (1) (293)
 OTHER INFORMATION: Ceres Seq. ID no. 12376899
 US-11-096-568A-20102

RESULT 5
 US-11-096-568A-20101
 ; Sequence 20101, Application US/11096568A
 ; Publication No. US20060048240A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexandrov, Nickolai et al.
 ; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
 ; FILE REFERENCE: 2750-1592PUS2
 ; CURRENT APPLICATION NUMBER: US/11/096,568A
 ; CURRENT FILING DATE: 2005-04-01
 ; NUMBER OF SEQ ID NOS: 34471
 ; SEQ ID NO 20101
 ; LENGTH: 300
 ; TYPE: PRT
 ; ORGANISM: Zea mays subsp. mays
 ; FEATURE: NAME/KEY: misc feature
 ; LOCATION: (1) (300)
 ; OTHER INFORMATION: Ceres Seq. ID no. 12376898
 US-11-096-568A-20101

Query Match 18.1%; Score 65; DB 7; Length 300;
 Best Local Similarity 44.2%; Pred. No. 2.9;
 Matches 19; Conservative 2; Mismatches 8; Indels 14; Gaps 3;
 SEQ ID NO: 20102
 LENGTH: 300
 TYPE: PRT
 ORGANISM: Zea mays subsp. mays
 FEATURE: NAME/KEY: misc feature
 LOCATION: (1) (300)
 OTHER INFORMATION: Ceres Seq. ID no. 12376898
 US-11-096-568A-20102

RESULT 6
 US-11-188-298-6198
 ; Sequence 6198, Application US/11188298
 ; Publication No. US20060015522A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Abed, Mark S. et al.
 ; TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT
 ; FILE REFERENCE: 38-21 (5452) B
 ; CURRENT APPLICATION NUMBER: US/11-188,298
 ; CURRENT FILING DATE: 2005-07-22
 ; PRIOR APPLICATION NUMBER: 60/592,978
 ; PRIOR FILING DATE: 2004-07-31
 ; NUMBER OF SEQ ID NOS: 22569
 ; SEQ ID NO 6198

Query Match 18.1%; Score 65; DB 7; Length 257;
 Best Local Similarity 44.2%; Pred. No. 2.4;
 Matches 19; Conservative 2; Mismatches 8; Indels 14; Gaps 3;
 SEQ ID NO: 20103
 LENGTH: 257
 TYPE: PRT
 ORGANISM: Zea mays subsp. mays
 FEATURE: LOCATION: (1) (257)
 OTHER INFORMATION: Ceres Seq. ID no. 12376900
 US-11-096-568A-20103

Query Match 18.1%; Score 65; DB 7; Length 293;
 Best Local Similarity 44.2%; Pred. No. 2.4;
 Matches 19; Conservative 2; Mismatches 8; Indels 14; Gaps 3;
 SEQ ID NO: 20102
 LENGTH: 293
 TYPE: PRT
 ORGANISM: Zea mays subsp. mays
 FEATURE: NAME/KEY: misc feature
 LOCATION: (1) (293)
 OTHER INFORMATION: Ceres Seq. ID no. 12376899
 US-11-096-568A-20102

LENGTH: 208
 TYPE: PRT
 ORGANISM: *Triticum aestivum*
 US-11-188-298-6198

Query Match 17.6% Score 63.5; DB 7; Length 208;
 Best Local Similarity 32.7%; Pred. No. 2.8;
 Matches 18; Conservative 8; Mismatches 22; Indels 7; Gaps 2;

Qy 10 GSEQALSSRDGAPVQHPLALLPSSGYEEDEQTILDDHLSRVLKTPGCGSPGVGRY 64
 Db 63 GSVVAMSS -SAPTPGPVQ----KSEWEAVLTPEFRRLRKGTBPGTGY 110

RESULT 7
 US-11-188-298-11473
 Sequence 11473, Application US/11188298
 Publication No. US20060075522A1

GENERAL INFORMATION:
 APPLICANT: Abad, Mark S. et al.
 TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT
 FILE REFERENCE: 38-21(53452)B
 CURRENT APPLICATION NUMBER: US/11188,298
 PRIOR APPLICATION NUMBER: 2005-07-22
 PRIOR FILING DATE: 2004-07-31
 SEQ ID NO 11473
 LENGTH: 235

Query Match 17.6% Score 63.5; DB 7; Length 235;
 Best Local Similarity 32.7%; Pred. No. 3.3;
 Matches 17; Conservative 10; Mismatches 18; Indels 7; Gaps 2;

Qy 21 APVQHPLA--LPSGS---YEDPQTILDDHLSRVLKTPGCGSPGVGRY 65
 Db 90 APPRSRALPMAQSGSKPRSEEEWRAVLNPEOFTRILKGTEBPGTGYN 141

RESULT 8
 US-10-330-773-901
 Sequence 901, Application US/10330773
 Publication No. US20060040262A1

GENERAL INFORMATION:
 APPLICANT: David W. Morris
 APPLICANT: Marc Malandro
 TITLE OF INVENTION: Novel Compositions and Methods in Cancer
 FILE REFERENCE: 52452001300
 CURRENT APPLICATION NUMBER: US/10/330,773
 CURRENT FILING DATE: 2002-12-27
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 901
 LENGTH: 306

Query Match 17.6% Score 63.5; DB 6; Length 306;
 Best Local Similarity 35.0%; Pred. No. 4.6;
 Matches 21; Conservative 9; Mismatches 17; Indels 13; Gaps 4;

Qy 11 SEQALSSRDGAPVQHPLALLPSSGYEEDEQTILDDHLSRVLKTPGCGSPGVGRY -RVSRS 68
 Db 140 SEQ--SASESAPDQ----DREEPRAGED--PKAEISPGADSKGLGCKRGSKA 188

RESULT 9
 US-11-188-298-5344
 Sequence 5344, Application US/11188298

Query Match 17.1% Score 61.5; DB 7; Length 166;

US-11-188-298-5344

Query Match 17.4% Score 62.5; DB 7; Length 352;
 Best Local Similarity 32.5%; Pred. No. 7.3;
 Matches 13; Conservative 12; Mismatches 12; Indels 3; Gaps 1;

Qy 1 QIREDEEKGSEQALSSR--DGAVQHPLALLPSGSYBE 37
 Db 161 QVSEQQQRQQAEGAVMSRKEEAAVAVHPMLVRTSSFPD 200

RESULT 10
 US-11-188-298-6924
 Sequence 6924, Application US/11188298
 Publication No. US20060075522A1

GENERAL INFORMATION:
 APPLICANT: Abad, Mark S. et al.
 TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT
 FILE REFERENCE: 38-21(53452)B
 CURRENT APPLICATION NUMBER: US/11188,298
 CURRENT FILING DATE: 2005-07-22
 PRIOR APPLICATION NUMBER: 60/592,978
 PRIOR FILING DATE: 2004-07-31
 SEQ ID NO 6924
 LENGTH: 352

TYPE: PRT
 ORGANISM: *Oryza sativa*
 US-11-188-298-6924

Query Match 17.4% Score 62.5; DB 7; Length 352;
 Best Local Similarity 32.5%; Pred. No. 7.3;
 Matches 13; Conservative 12; Mismatches 12; Indels 3; Gaps 1;

Qy 1 QIREDEEKGSEQALSSR--DGAVQHPLALLPSGSYBE 37
 Db 161 QVSEQQQRQQAEGAVMSRKEEAAVAVHPMLVRTSSFPD 200

RESULT 11
 US-11-188-298-2268
 Sequence 2268, Application US/11188298
 Publication No. US20060075522A1

GENERAL INFORMATION:
 APPLICANT: Abad, Mark S. et al.
 TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT
 FILE REFERENCE: 38-21(53452)B
 CURRENT APPLICATION NUMBER: US/11188,298
 CURRENT FILING DATE: 2005-07-22
 PRIOR APPLICATION NUMBER: 60/592,978
 PRIOR FILING DATE: 2004-07-31
 NUMBER OF SEQ ID NOS: 22569
 SEQ ID NO 2268
 LENGTH: 166

TYPE: PRT
 ORGANISM: Glycine max
 US-11-188-298-2268

Query Match 17.1% Score 61.5; DB 7; Length 166;

Best Local Similarity 32.7%; Pred. No. 3.7; Matches 17; Conservative 9; Mismatches 19; Indels 7; Gaps 2; Qy 21 APVQHPLA---LPGS---YEDDPQTILDDHLSRVLKTPGCGSPGVGRYS 65 Db 31 APPRSRALARPMASSGDSKPRSEEEWRAVLTPEQFRILRKGTTELPGTSEYN 82

RESULT 12

US-10-204-639-64

; Sequence 64, Application US/10204639

; Publication No. US20060063152A1

; GENERAL INFORMATION:

; APPLICANT: Osamu Ohara

; APPLICANT: Takahiro Nagase

; APPLICANT: Daisuke Nakajima

; TITLE OF INVENTION: NOVEL GENE AND PROTEIN ENCODED BY THE GENE

; FILE REFERENCE: PH-1416-PCT

; CURRENT APPLICATION NUMBER: US/10/204, 639

; CURRENT FILING DATE: 2002-08-22

; PRIOR APPLICATION NUMBER: JP 2000-389742

; PRIOR FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: JP 2001-095524

; PRIOR FILING DATE: 2001-03-29

; PRIOR APPLICATION NUMBER: JP 2001-127056

; PRIOR FILING DATE: 2001-04-25

; NUMBER OF SEQ ID NOS: 140

; SEQ ID NO: 64

; LENGTH: 958

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-204-639-64

Query Match 17.1%; Score 61.5; DB 6; Length 958; Best Local Similarity 37.3%; Pred. No. 34; Mismatches 8; Indels 27; Gaps 3; Matches 25; Conservative

Qy 6 EERKSEQAQLSSRQAVQHPL---YEDDPQTILDDHLSRVLKTPGCGQPG 60 Db 792 ETKLNGLSSRAEPPSPVPKASGSTLNSGS-GNCPRTDSEERSLEI-CANHN 849

Qy 61 VGRYSPR 67 Db 850 NGRLHPR 856

RESULT 13

US-11-079-463-6507

; Sequence 6507, Application US/11079463

; Publication No. US20060073161A1

; GENERAL INFORMATION:

; APPLICANT: Gary L. Breton

; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO BACTERIOIDES FRA

; FILE REFERENCE: PATH00-03DIV2

; CURRENT APPLICATION NUMBER: US/11/079, 463

; PRIOR APPLICATION NUMBER: US 60/128, 705

; PRIOR FILING DATE: 1999-04-09

; PRIOR APPLICATION NUMBER: US 09/540, 209

; PRIOR FILING DATE: 2000-04-04

; NUMBER OF SEQ ID NOS: 1044

; SEQ ID NO: 6507

; LENGTH: 681

; TYPE: PRT

; ORGANISM: B. fragilis

US-11-079-463-6507

Query Match 16.9%; Score 61; DB 7; Length 681; Best Local Similarity 34.5%; Pred. No. 26; Mismatches 7; Indels 2; Gaps 2;

Qy 13 QALSSRGAPVQHPLA--LPGSGWYEDDPQTILDDHLSRVLKTPGCGSPGVGRYS 65 Db 123 RALQTLPGHQLQSGESGRULVRGNSNNEQTYIDGMMHVLNPYTTGTDTTPARGRYS 177

RESULT 14

US-11-072-512-2474

; Sequence 2474, Application US/11072512

; GENERAL INFORMATION:

; APPLICANT: ISOGAI, TARAO

; APPLICANT: SUZUKI, TOMOYASU

; APPLICANT: OFUSUKI, TETSUJI

; APPLICANT: WAKAMATSU, AI

; APPLICANT: SATO, HIROYUKI

; APPLICANT: ISHII, SHIZUKO

; APPLICANT: ISONO, YUUKO

; APPLICANT: HIO, YURI

; APPLICANT: OTSUKA, KAORU

; APPLICANT: NAGAI, KEIICHI

; APPLICANT: IRIE, RYOTARO

; APPLICANT: TAMECHIKA, ICHIRO

; APPLICANT: SEKI, NAOKI

; APPLICANT: YOSHIKAWA, TSUTOMU

; APPLICANT: OTSUKA, MOTOKI

; APPLICANT: NAGAHARI, KENJI

; APPLICANT: MASUHO, YASUHIKO

; TITLE OF INVENTION: Novel full length cDNA

; CURRENT APPLICATION NUMBER: US/11/072, 512

; CURRENT FILING DATE: 2005-03-07

; PRIORITY NUMBER: US 60/356, 978

; PRIORITY FILING DATE: 2002-01-25

; PRIORITY APPLICATION NUMBER: JP 2001-379298

; PRIORITY FILING DATE: 2001-11-05

; NUMBER OF SEQ ID NOS: 4056

; SEQ ID NO: 2474

; LENGTH: 897

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-072-512-2474

Query Match 16.9%; Score 61; DB 7; Length 897; Best Local Similarity 33.3%; Pred. No. 36; Mismatches 23; Indels 10; Gaps 5;

Qy 1 QIRREDEEKERGSE--QALSSRDGAPVQHPLA--LPGSGWYEDDPQTILDDHLSRVLKTPGCG 56 Db 350 RLREDEERHGAAPCTLSSTRANSKNDSSVADLAPKGRSDEAP---PEH-SVTKKEPB- 403

Qy 57 QSPGVGRYS 65 Db 404 MSK3KGKYS 412

RESULT 15

US-11-040-488-2

; Sequence 2, Application US/11040488

; Publication No. US20050271651A1

; GENERAL INFORMATION:

; APPLICANT: WEBB, CAROL

; TITLE OF INVENTION: INHIBITION OF BRIGHT FUNCTION AS A TREATMENT FOR

; TITLES OF INVENTION: EXCESSIVE IMMUNOGLOBULIN PRODUCTION

; FILE REFERENCE: OMRF:02315

; CURRENT APPLICATION NUMBER: US/11/040, 488

; CURRENT FILING DATE: 2005-01-21

; PRIORITY NUMBER: 60/538, 866

; PRIORITY FILING DATE: 2004-01-23

; NUMBER OF SEQ ID NOS: 26

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO: 2

LENGTH: 593
TYPE: PRT
ORGANISM: Homo sapiens
us-11-040-488-2

Query Match 16.8%; Score 60.5; DB 7; Length 593;
Best Local Similarity 36.4%; Pred. No. 25;
Matches 24; Conservative 6; Mismatches 25; Indels 11; Gaps 4;

Qy	4	EDEEKEGGEGOALSRRDGAPVQHPL--ALLPGSYEEDPQTILLDDHLSRVLKTPGCCSPG	60
Db	148	EDDEEEDEBEGL---GPPGPASLGTIALFPRKA--QSPQAFRGDGVYRVL--GGOERPG	199
Qy	61	VGRYSP	66
Db	200	PGPAHP	205

Search completed: April 20, 2006, 16:07:53
Job time : 3.82122 secs

RESULT 2

US-08-890-865A-4

Sequence 4, Application US/08890865A

GENERAL INFORMATION:

APPLICANT: Constantini, Franklin

TITLE OF INVENTION: AXIN GENE AND USES THEREOF

NUMBER OF SEQUENCES: 23.

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham LLP

STREET: 1185 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: US

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION NUMBER: US/08/890,865A

APPLICATION NUMBER: US/08/890,865A

FILING DATE: 10-JUL-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: White, John P

REGISTRATION NUMBER: 28, 678

REFERENCE/DOCKET NUMBER: 0575/54249

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212)311-0526

TELEFAX: (212)391-0400

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 900 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: Protein

US-08-890-865A-4

Query Match 69.2%; Score 191; DB 2; Length 900;

Best Local Similarity 66.7%; Pred. No. 3.3e-18;

Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

Qy 1 LTLGHFKEQLSKKGNYRYFKKASDEFACGAVFETIWWDETVLPMEGRIL 51

Db 843 VTLGQFKELLTKGSYRYYPRKVSDBFDCGVVFEEVDEAVLPFEKKI 893

RESULT 3

US-08-890-865A-3

Sequence 23, Application US/08890865A

GENERAL INFORMATION:

APPLICANT: Zeng, Li

TITLE OF INVENTION: AXIN GENE AND USES THEREOF

NUMBER OF SEQUENCES: 23.

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham LLP

STREET: 1185 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: US

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION NUMBER: US/08/890,865A

FILED DATE: 10-JUL-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: White, John P

REGISTRATION NUMBER: 28, 678

REFERENCE/DOCKET NUMBER: 0575/54249

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212)278-0400

TELEFAX: (212)391-0400

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 992 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: Protein

US-08-890-865A-1

Query Match 68.8%; Score 190; DB 2; Length 992;

Best Local Similarity 66.7%; Pred. No. 5.1e-18;

Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

Qy 1 LTLGHFKEQLSKKGNYRYFKKASDEFACGAVFETIWWDETVLPMEGRIL 51

Db 935 VTLQFKEULLTKSRYFKVSKDEFQGVFFBVRDEPVFEEKLI 985

RESULT 5
US-08-890-865A-22

; Sequence 22, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESS: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/890,865A
FILING DATE: 10-JUL-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 0575/54249

TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0526
INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

TYPE: 50 amino acids
TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: Protein

US-08-890-865A-22

Query Match 39.7% Score 109.5; DB 2; Length 50;
Best Local Similarity 46.2%; Pred. No. 3.3e-08;
Matches 24; Conservative 10; Mismatches 15; Indels 3; Gaps 2;

Qy 1 LTIGHFKQQLSKK-GNYFYYFKKASDDEPAGVFEIWDDETVLPMYGRIL 51
Db 1 VTLRDFKLVLNQNNTYKFFKSMDADE-GIVYKEETADDSTLPCFNGRVV 50

RESULT 6
US-10-464-939-12

; Sequence 12, Application US/10464939
; Patent No. 6958238
; GENERAL INFORMATION:
; APPLICANT: Sun, Tian-Qiang
; APPLICANT: Williams, Lewis T.

; TITLE OF INVENTION: Isolated dishevelled associated kinases, and methods of use
; TITLE OF INVENTION: thereof
; FILE REFERENCE: USF-133CON

CURRENT APPLICATION NUMBER: US/10/464,939

CURRENT FILING DATE: 2003-06-18

PRIOR APPLICATION NUMBER: 09/661,965

PRIOR FILING DATE: 2000-09-14

PRIOR APPLICATION NUMBER: 60/158,021

PRIOR FILING DATE: 1999-10-06

NUMBER OF SEQ ID NOS: 14

SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 12
; LENGTH: 623
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-464-939-12

Query Match 39.7% Score 109.5; DB 2; Length 623;
Best Local Similarity 46.2%; Pred. No. 7.1e-07;
Matches 24; Conservative 10; Mismatches 15; Indels 3; Gaps 2;

Qy 1 LTIGHFKQQLSKK-GNYFYYFKKASDDEPAGVFEIWDDETVLPMYGRIL 51

Db 35 VTLRDFKLVLNQNNTYKFFKSMDADE-GIVYKEETADDSTLPCFNGRVV 84

RESULT 7
US-08-890-865A-21

; Sequence 21, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Cooper & Dunham LLP

; STREET: 1185 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: US

; ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/890,865A

FILING DATE: 10-JUL-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: White, John P

REGISTRATION NUMBER: 28,678

REFERENCE/DOCKET NUMBER: 0575/54249

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 278-0400

TELEFAX: (212) 391-0526

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:

LENGTH: 49 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: Protein

US-08-890-865A-21

Query Match 37.0% Score 102; DB 2; Length 49;

Best Local Similarity 41.2%; Pred. No. 3.3e-07;

Matches 21; Conservative 8; Mismatches 20; Indels 2; Gaps 1;

Qy 1 LTIGHFKQQLSKK-GNYFYYFKKASDDEPAGVFEIWDDETVLPMYGRIL 51

Db 1 ITLDFRSVLQRPGARYFFKSMQDF-GIVYKEETADDSTLPCFNGRVV 49

RESULT 8
US-09-949-016-10957

; Sequence 10957, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: Venter, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307
 CURRENT APPLICATION NUMBER: US/09/949,016
 CURRENT FILING DATE: 2000-04-14
 PRIOR APPLICATION NUMBER: 60/241,755
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/237,768
 PRIOR FILING DATE: 2000-10-03
 PRIOR APPLICATION NUMBER: 60/231,498
 PRIOR FILING DATE: 2000-09-08
 NUMBER OF SEQ ID NOS: 207012
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 10957
 LENGTH: 738
 TYPE: PRT
 ORGANISM: Human
 US-09-949-016-10957

Query Match 37.0%: Score 102; DB 2; Length 738;
 Best Local Similarity 41.2%; Pred. No. 1.e-05; Indels 2; Gaps 1;
 Matches 21; Conservative 8; Mismatches 20; Indels 2; Gaps 1;

Qy 1 LTIGHFKEQLSKKGNYRYFKKASDEFAGAVEEIWDDETULPMYEGRIL 51
 :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 40 ITLGDFKSVLQRPGAKYFFKSMDDDF--GIVVKEBISDNARLPCFNGRRV 88

RESULT 9
 US-09-949-016-6495
 ; Sequence 6495, Application US/09949016
 ; Patent No. 681239
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CL001307
 ; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 6495
 ; LENGTH: 716
 ; TYPE: PRT
 ; ORGANISM: Human
 US-09-949-016-6495

Query Match 34.6%: Score 95.5; DB 2; Length 716;
 Best Local Similarity 41.2%; Pred. No. 8.1.e-05; Indels 3; Gaps 2;
 Matches 21; Conservative 11; Mismatches 16; Indels 3; Gaps 2;

Qy 1 LTIGHFKEQLSKKGNYRYFKKASDEFAGAVEEIWDDETULPMYEGRIL 51
 :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 28 VTLADFKSVL-QRSYKFFKSMDDDF--GIVVKEBISDNARLPCFNGRRV 75

RESULT 10
 US-08-890-865A-20
 ; Sequence 20, Application US/08890865A
 ; Patent No. 6307019
 ; GENERAL INFORMATION:
 ; APPLICANT: Constantini, Franklin
 ; APPLICANT: Zeng, Li
 ; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
 ; NUMBER OF SEQUENCES: 23
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Cooper & Dunham LLP
 ; STREET: 1185 Avenue of the Americas
 ; CITY: New York

STATE: New York
 COUNTRY: US
 ZIP: 10016
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/890,865A
 FILING DATE: 10-JUL-1997
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: White, John P
 REGISTRATION NUMBER: 28,678
 RELEVANCE/DOCKET NUMBER: 0575/54249
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212)278-0400
 TELEFAX: (212)391-0526
 INFORMATION FOR SEQ ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 51 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: Protein
 US-08-890-865A-20

Query Match 34.4%: Score 95; DB 2; Length 51;
 Best Local Similarity 39.6%; Pred. No. 3.8e-06;
 Matches 21; Conservative 10; Mismatches 18; Indels 4; Gaps 2;

Qy 1 LTIGHFKEQLSKKGNYRYFKKASDEFAGAVEEIWDDETULPMYEGRIL 51
 :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 1 VTLADFKSVLQRPGAKYFFKSMDDDF--GIVVKEBISDNARLPCFNGRRV 51

RESULT 11
 US-09-270-767-43189
 ; Sequence 43189, Application US/09270767
 ; Patent No. 6703491
 ; GENERAL INFORMATION:
 ; APPLICANT: Bomberger et al.
 ; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
 ; FILE REFERENCE: File Reference: 7326-094
 ; CURRENT APPLICATION NUMBER: US/09/270,767
 ; CURRENT FILING DATE: 1999-03-17
 ; NUMBER OF SEQ ID NOS: 6517
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 43189
 ; LENGTH: 313
 ; TYPE: PRT
 ; ORGANISM: Drosophila melanogaster
 US-09-270-767-43189

Query Match 30.8%: Score 85; DB 2; Length 313;
 Best Local Similarity 33.3%; Pred. No. 0.0009; Indels 16; Gaps 0;
 Matches 15; Conservative 14; Mismatches 16; Indels 0; Gaps 0;

Qy 2 LTIGHFKEQLSKKGNYRYFKKASDEFAGAVEEIWDDETULPMY 46
 :|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 257 TLRQFKDYLPRRSHFRFFKTHCEDPDSPIQEVEIVNDSIDLPLF 301

RESULT 12
 US-09-398-395A-42
 ; Sequence 42, Application US/09398395A
 ; Patent No. 6463772
 ; GENERAL INFORMATION:
 ; APPLICANT: Chappell, Joseph
 ; APPLICANT: No. 6463772
 ; APPLICANT: Stearks, Courtney M.
 ; APPLICANT: Manna, Kathleen R.

TITLE OF INVENTION: SYNTHASES
FILE REFERENCE: 07678-025001
CURRENT APPLICATION NUMBER: US/09/398,395A
CURRENT FILING DATE: 1999-09-17
PRIOR APPLICATION NUMBER: 60/100,993
PRIOR FILING DATE: 1998-09-17
PRIOR APPLICATION NUMBER: 60/130,628
PRIOR FILING DATE: 1999-04-22
PRIOR APPLICATION NUMBER: 60/150,262
PRIOR FILING DATE: 1999-08-23
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 42
LENGTH: 601
TYPE: PRT
ORGANISM: Ricinus communis
US-09-398-395A-42

Query Match 22.1%; Score 61; DB 2; Length 601;
Best Local Similarity 29.2%; Pred. No. 5;
Matches 14; Conservative 12; Mismatches 20; Indels 2; Gaps 2;
Qy 2 TLGHFKEQLSKKG-NYRY-YPKKASDFACGAVFEETWDDETVLPMYE 47
Db 399 TFSEFELTAEGKSYSVKYGREAFQELVRGYLEAVWRDEKIPSF 446

RESULT 13
US-09-887-586A-42
Sequence 42, Application US/09887586A
Patent No. 6395354
GENERAL INFORMATION:
APPLICANT: Chappell, Joseph
APPLICANT: Stark, Courtney M.
APPLICANT: Manna, Kathleen R.
TITLE OF INVENTION: SYNTHASES
FILE REFERENCE: 07678-025001
CURRENT APPLICATION NUMBER: US/09/887,586A
CURRENT FILING DATE: 2001-06-22
PRIOR APPLICATION NUMBER: 09/398,395
PRIOR FILING DATE: 1999-09-17
PRIOR APPLICATION NUMBER: 60/130,628
PRIOR FILING DATE: 1999-04-22
PRIOR APPLICATION NUMBER: 60/150,262
PRIOR FILING DATE: 1999-08-23
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 42
LENGTH: 601
TYPE: PRT
ORGANISM: Ricinus communis
US-09-887-586A-42

Query Match 22.1%; Score 61; DB 2; Length 601;
Best Local Similarity 29.2%; Pred. No. 5;
Matches 14; Conservative 12; Mismatches 20; Indels 2; Gaps 2;
Qy 2 TLGHFKEQLSKKG-NYRY-YPKKASDFACGAVFEETWDDETVLPMYE 47
Db 399 TFSEFELTAEGKSYSVKYGREAFQELVRGYLEAVWRDEKIPSF 446

RESULT 14
US-09-895-752-42
Sequence 42, Application US/09895752
Patent No. 6559297
GENERAL INFORMATION:
APPLICANT: Chappell, Joseph
APPLICANT: Stark, Courtney M.
APPLICANT: Manna, Kathleen R.
TITLE OF INVENTION: SYNTHASES

Search completed: April 20, 2006, 15:32:30
Job time : 4.26121 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 20, 2006, 15:57:53 ; Search time 17.717 Seconds
Perfect score: 276
Sequence: 1 LrLGHPKBQLSKGNVRYF VFEEIWDDETVLPMYBGRIL 51

Title: US-09-587-574-5
Scoring table: BLOSUM62
Gapext 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569
Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0*
Maximum Match 100*
Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgcn2_6_ptodata/1/pubpaas/US07_PUBCOMB_pep:
2: /cgcn2_6_ptodata/1/pubpaas/US08_PUBCOMB_pep:
3: /cgcn2_6_ptodata/1/pubpaas/US09_PUBCOMB_pep:
4: /cgcn2_6_ptodata/1/pubpaas/US10A_PUBCOMB_pep:
5: /cgcn2_6_ptodata/1/pubpaas/US10B_PUBCOMB_pep:
6: /cgcn2_6_ptodata/1/pubpaas/US11_PUBCOMB_pep:
*
SUMMARIES

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	DB ID	Description
1	272	98.6	155	4	US-10-106-698-5828	Sequence 5828, AP
2	272	98.6	347	4	US-10-264-049-3846	Sequence 2846, AP
3	272	98.6	843	5	US-10-723-860-1797	Sequence 1797, AP
4	272	98.6	843	5	US-10-751-736-116	Sequence 116, AP
5	195	70.7	842	3	US-09-798-431-8	Sequence 8, AP
6	191	69.2	826	4	US-10-786-720-36	Sequence 36, AP
7	191	69.2	862	4	US-10-786-720-35	Sequence 35, AP
8	191	69.2	900	4	US-10-374-879-91	Sequence 91, AP
9	191	69.2	900	4	US-10-182-936A-91	Sequence 91, AP
10	191	69.2	900	5	US-10-477-238A-670	Sequence 670, AP
11	191	69.2	900	5	US-10-680-38A-670	Sequence 670, AP
12	191	69.2	900	5	US-10-477-73-670	Sequence 670, AP
13	191	69.2	912	4	US-10-092-900A-270	Sequence 270, AP
14	111	40.2	211	4	US-10-094-749-2052	Sequence 2052, AP
15	111	40.2	437	4	US-10-094-749-2273	Sequence 2273, AP
16	111	40.2	472	4	US-10-112-944-300	Sequence 300, AP
17	109.5	39.7	623	4	US-10-464-339-12	Sequence 12, AP
18	109.5	39.7	623	6	US-11-097-143-2028	Sequence 2028, AP
19	102	37.0	736	5	US-10-678-639-43	Sequence 43, AP
20	95.5	34.6	595	4	US-10-307-928A-18	Sequence 18, AP
21	95.5	34.6	716	5	US-10-678-639-41	Sequence 41, AP
22	95	34.4	198	5	US-10-938-249-165	Sequence 465, AP
23	95	34.4	670	5	US-10-678-339-42	Sequence 42, AP
24	95	34.4	695	4	US-10-013-310-3	Sequence 3, AP
25	95	34.4	695	4	US-10-682-230-3	Sequence 3, AP
26	90.5	32.8	341	5	US-10-938-249-164	Sequence 464, AP
27	85	30.8	745	6	US-11-097-143-3015	Sequence 3015, AP

ALIGNMENTS

RESULT 1
US-10-106-698-5828
; Sequence 5828, Application US/10106698
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; FILE OF INVENTION: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PCT/US00/26524
; PRIORITY NUMBER: US 60/157,137
; PRIORITY FILING DATE: 1999-09-29
; PRIORITY APPLICATION NUMBER: US 60/163,280
; SEQ ID NO: 5828
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MIS_C_FEATURE
; LOCATION: (5)
; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MIS_C_FEATURE
; LOCATION: (?)
; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MIS_C_FEATURE
; LOCATION: (12)
; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MIS_C_FEATURE
; LOCATION: (48)
; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
US-10-106-698-5828

Query Match 90.6%; Score 272; DB 4; Length 155;
Best Local Similarity 98.0%; Pred. No. 7.5e-29;
Matches 50; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
RESULT 2
US-10-244-049-2846
; Sequence 2846, Application US/102644049
; Publication No. US2004005579A1

Qy 1 LTLGHFKEOLSKGNVRYKGNVRYKASDEFAAGVFFEIWDETVLPMEGRIL 51
Db 98 LTLGHFKEOLSKGNVRYKGNVRYKASDEFAAGVFFEIWDETVLPMEGRIL 148

GENERAL INFORMATION:
 APPLICANT: Birse et al.
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 FILE REFERENCE: PA113P1
 CURRENT APPLICATION NUMBER: US/10/264,049
 CURRENT FILING DATE: 2002-10-04
 PRIOR APPLICATION NUMBER: PCT/US01/18569
 PRIOR FILING DATE: 2001-06-07
 PRIOR APPLICATION NUMBER: US 60/209,467
 PRIOR FILING DATE: 2000-06-07
 NUMBER OF SEQ ID NOS: 4360
 SOFTWARE: PatentIn Ver. 3.1
 SEQ ID NO: 2846
 LENGTH: 347
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (204)
 OTHER INFORMATION: xaa equals any of the twenty naturally occurring L-amino acids
 NAME/KEY: MISC FEATURE
 LOCATION: (240)
 OTHER INFORMATION: xaa equals any of the twenty naturally occurring L-amino acids
 US-10-264-049-2846

Query Match 98.6%; Score 272; DB 4; Length 347;
 Best Local Similarity 98.0%; Pred. No. 1.9e-28;
 Matches 50; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LTIGHFKEQLSKKGNYRYFKKASDEFAGAVPEIWWDBTVPMEGRIL 51
 Db 290 LTIGHFKEQLSKKGNYRYFKKASDEFAGAVPEIWWDBTVPMEGRIL 340

RESULT 3
 US-10-723-860-1797
 ; Sequence 1.97, Application US/10723860

GENERAL INFORMATION:
 APPLICANT: Aziz, Natasha
 APPLICANT: Ginsburg, Wendy M.

APPLICANT: Zlornik, Albert
 TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions & Methods for Screening for Soft Tissue Sarcoma Modulators
 FILE REFERENCE: 05882, 0193, NPIUS01
 CURRENT APPLICATION NUMBER: US/10/723,860
 CURRENT FILING DATE: 2003-11-16
 PRIOR APPLICATION NUMBER: 60/429,739
 PRIOR FILING DATE: 2002-11-26
 NUMBER OF SEQ ID NOS: 8393
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 1797
 LENGTH: 843
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-723-860-1797

Query Match 98.6%; Score 272; DB 5; Length 843;
 Best Local Similarity 98.0%; Pred. No. 5.3e-28;
 Matches 50; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LTIGHFKEQLSKKGNYRYFKKASDEFAGAVPEIWWDBTVPMEGRIL 51
 Db 786 LTIGHFKEQLSKKGNYRYFKKASDEFAGAVPEIWWDBTVPMEGRIL 836

RESULT 4
 US-10-751-736-116
 ; Sequence 116, Application US/10751736

GENERAL INFORMATION:
 APPLICANT: Wyeth

APPLICANT: Liu, Wei
 APPLICANT: O'Toole, Margaret
 APPLICANT: Martinez, Robert
 APPLICANT: Brown, Eugene
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON CANCERS
 FILE REFERENCE: AMI00927 (031896-002000)
 CURRENT APPLICATION NUMBER: US/10/51,736
 CURRENT FILING DATE: 2003-01-06
 PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
 PRIOR FILING DATE: 2003-01-06
 NUMBER OF SEQ ID NOS: 54873
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 116
 LENGTH: 843
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-751-736-116

Query Match 98.6%; Score 272; DB 5; Length 843;
 Best Local Similarity 98.0%; Pred. No. 5.3e-28;
 Matches 50; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LTIGHFKEQLSKKGNYRYFKKASDEFAGAVPEIWWDBTVPMEGRIL 51
 Db 786 LTIGHFKEQLSKKGNYRYFKKASDEFAGAVPEIWWDBTVPMEGRIL 835

RESULT 5
 US-10-798-831-8
 ; Sequence 8, Application US/09798831

Patent No. US20010052137A1
 GENERAL INFORMATION:
 APPLICANT: KLEIN, Peter S.
 TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOCEN SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT SIGNALING
 FILE REFERENCE: 209596, 0391/30601
 CURRENT APPLICATION NUMBER: US/09/798,831
 CURRENT FILING DATE: 2001-03-01
 PRIOR APPLICATION NUMBER: US 60/186,141
 PRIOR FILING DATE: 2000-03-01
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 8
 LENGTH: 842
 TYPE: PRT
 ORGANISM: Xenopus laevis
 US-10-798-831-8

Query Match 98.6%; Score 195; DB 3; Length 842;
 Best Local Similarity 66.7%; Pred. No. 1.8e-17;
 Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

Qy 1 LTIGHFKEQLSKKGNYRYFKKASDEFAGAVPEIWWDBTVPMEGRIL 51
 Db 785 VRLQFKELTKKGNYRYFKKASDEFDCGVFSEBREDDMILDIYEEKLI 635

RESULT 6
 US-10-798-720-36
 ; Sequence 36, Application US/10786720

Publication No. US2004019181A1
 GENERAL INFORMATION:
 APPLICANT: Wyeth
 APPLICANT: O'Toole, Margaret
 APPLICANT: Liu, Wei
 APPLICANT: Martinez, Robert
 APPLICANT: Brown, Eugene
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE DISEASES
 FILE REFERENCE: 031896-032000 (AM101331L)
 CURRENT APPLICATION NUMBER: US/10/786,720
 CURRENT FILING DATE: 2004-02-26
 NUMBER OF SEQ ID NOS: 21135
 SOFTWARE: PatentIn version 3.2

SEQ ID NO 36
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-786-720-36

Query Match Best Local Similarity 69.2%; Score 191; DB 4; Length 826;
Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;
RESULT 7
US-10-786-720-35
; Sequence 35, Application US/10786720
; Publication No. US20040191818A1
; GENERAL INFORMATION
; APPLICANT: Wyeth
; APPLICANT: O'Toole, Margot
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE DISEASES
; FILE REFERENCE: 031896-023000 (AM101331L)
; CURRENT FILING DATE: 2004-02-26
; NUMBER OF SEQ ID NOS: 21135
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35
; LENGTH: 862
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-786-720-35

Query Match Best Local Similarity 69.2%; Score 191; DB 4; Length 826;
Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;
RESULT 8
US-10-374-979-91
; Sequence 91, Application US/10374979
; Publication No. US2003021979A1
; GENERAL INFORMATION
; APPLICANT: John P. Carilli et al.
; TITLE OF INVENTION: THE HIGH BONE MASS GENE OF 11q13.3
; FILE REFERENCE: 032796-021
; CURRENT FILING DATE: 2003-03-04
; PRIOR APPLICATION NUMBER: US 09/544,398
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 09/543,771
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 09/229,319
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 60/071,449
; PRIOR FILING DATE: 1998-01-13
; PRIOR APPLICATION NUMBER: US 60/105,511
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 109
; SEQ ID NO 91
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-374-979-91

Query Match Best Local Similarity 66.7%; Pred. No. 6.7e-17;
Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;
RESULT 9
US-10-936A-91
; Sequence 91, Application US/10182936A
; Publication No. US200403860A1
; GENERAL INFORMATION
; APPLICANT: Allen, Kristina M.
; APPLICANT: Anisovitz, Anthony
; APPLICANT: Bhat, Bheem
; APPLICANT: Damagnez, Veronique
; APPLICANT: Robinson, John
; APPLICANT: Yaworsky, Paul
; TITLE OF INVENTION: Reagents and Method for Modulating DKK-Mediated Interactions
; FILE REFERENCE: 032796-143
; CURRENT FILING NUMBER: US/10/182,936A
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: PCT/US02/15982
; PRIOR FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 216
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 91
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-182-936A-91

Query Match Best Local Similarity 69.2%; Score 191; DB 4; Length 900;
Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;
RESULT 10
US-10-477-238A-670
; Sequence 670, Application US/10477238A
; Publication No. US2004021326A1
; GENERAL INFORMATION
; APPLICANT: Babi, Philip
; APPLICANT: Bex, Frederick J. III
; APPLICANT: Bodine, Peter Van Nest
; APPLICANT: Yaworsky, Paul
; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
; FILE REFERENCE: 032796-212
; CURRENT FILING NUMBER: US/10/477,238A
; CURRENT FILING DATE: 2003-11-10
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2003-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 812
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 670
; LENGTH: 900

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; PRIOR APPLICATION NUMBER: US 60/153,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 1086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
; OS-10-477-173-670

Query Match      69.2% ; Score 191; DB 5; Length 900;
Best Local Similarity 66.4% ; Pred. No. 6; e-17;
Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

Oy      1 LTLGHFPEQLSLSKGNYRYPKKASDPEAGAVFEEIMDDETYLPMYBGRIL 51
Db      843 VTLGQFPEBLITRKGSYYFFKKVSDEDCQGVVFEERDEAVLPVFFEBKII 893

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RESULT 13

US-10-092-900A-270

i Sequence 270, Application US/10092900A

i Publication No. US20040043382A1

i GENERAL INFORMATION:

i APPLICANT: Padigaru, Muralidhara

i APPLICANT: Spytek, Kimberly A.

i APPLICANT: Shenoy, Suresh G.

i APPLICANT: Taupier, Jr., Raymond J.

i APPLICANT: Pena, Carol B.A.

i APPLICANT: Li, Li

i APPLICANT: Zerhusen, Bryan D.

i APPLICANT: Gusev, Vladimir Y.

i APPLICANT: Ji, Weizhen

i APPLICANT: Gorman, Linda

i APPLICANT: Miller, Charles E.

i APPLICANT: Kekuda, Ramesh

i APPLICANT: Patturajan, Meera

i APPLICANT: Gangolli, Bsha A.

i APPLICANT: Varnet, Corine A.M.

i APPLICANT: Guo, Xiaojia Sasha

i APPLICANT: Tchernev, Velizar T.

i APPLICANT: Fernandes, Elma R.

i APPLICANT: Casman, Stacie J.

i APPLICANT: Malyakar, Uriel M.

i APPLICANT: Gerlach, Valerie

i APPLICANT: Liu, Yi

i APPLICANT: Anderson, David W.

i APPLICANT: Spaderna, Steven K.

i APPLICANT: Catterton, Blina

i APPLICANT: Leite, Mario W.

i APPLICANT: Zhong, Hainong

i APPLICANT: Alsobrook, John P.

i APPLICANT: Lepley, Denise M.

i APPLICANT: Rieger, Daniel K.

i APPLICANT: Burgess, Catherine E.

i TITLE OF INVENTION: No. US20040043382A1el Proteins and Nucleic Acids Encoding

i FILE REFERENCE: 24402-290C

i CURRENT APPLICATION NUMBER: US/10/092,900A

i CURRENT FILING DATE: 2002-03-07

i PRIOR APPLICATION NUMBER: US/0043382A1

i PRIOR FILING DATE: 2001-03-08

i PRIOR APPLICATION NUMBER: US/02/0361293A1

i PRIOR FILING DATE: 2002-03-13

i PRIOR APPLICATION NUMBER: US/03/382900A

i PRIOR FILING DATE: 2001-12-03

i PRIOR APPLICATION NUMBER: US/02/0361293A1

i PRIOR FILING DATE: 2001-03-08

i PRIOR APPLICATION NUMBER: US/03/382900A

i PRIOR FILING DATE: 2001-03-08

i PRIOR APPLICATION NUMBER: US/03/382900A

i PRIOR FILING DATE: 2001-09-27

PRIOR APPLICATION NUMBER: USSEN 60/304,354
 PRIOR FILING DATE: 2001-07-10
 PRIOR APPLICATION NUMBER: USSEN 60/279,395
 PRIOR FILING DATE: 2001-03-30
 PRIOR APPLICATION NUMBER: USSEN 60/294,899
 PRIOR FILING DATE: 2001-05-31
 PRIOR APPLICATION NUMBER: USSEN 60/287,424
 PRIOR FILING DATE: 2001-04-30
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 768
 SEQ ID NO 270
 LENGTH: 912
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-092-900A-270

Query Match 69.2%; Score 191; DB 4; Length 912;
 Best Local Similarity 66.7%; Pred. No. 6.be-1;
 Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;
 Qy 1 LTIGHFKEQLSKGNRYFVKASDFGAGVFEIWWDETVLPMYEGRIL 51
 Db 855 VTLGQFKELLTKGSYRNYFKVSDFFDCGVVFEVRDEAVLPVFEKII 905

RESULT 14
 US-10-094-749-2052
 Sequence 2052, Application US/10094749
 Publication No. US20030219741A1
 GENERAL INFORMATION:
 APPLICANT: ISOGAI, TAKAO
 APPLICANT: SUGIYAMA, TOMOYASU
 APPLICANT: OTSUKI, TETSUJI
 APPLICANT: WAKAMATSU, AI
 APPLICANT: SATO, HIROYUKI
 APPLICANT: ISHII, SHIZUKO
 APPLICANT: YAMAMOTO, JUN-ICHI
 APPLICANT: ISONO, YUUKO
 APPLICANT: HIO, YURI
 APPLICANT: OTSUKA, KAORU
 APPLICANT: NAGAI, KEIICHI
 APPLICANT: IRIE, RYOTARO
 APPLICANT: TAMECHIKA, ICHIRO
 APPLICANT: SEKI, NAOHIKO
 APPLICANT: YOSHIKAWA, TSUTOMU
 APPLICANT: MASUHO, YASUHIKO
 TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
 FILE REFERENCE: 084335/0160
 CURRENT APPLICATION NUMBER: US/10/094,749
 CURRENT FILING DATE: 2002-03-12
 PRIOR APPLICATION NUMBER: 60/350,435
 PRIOR FILING DATE: 2002-01-24
 PRIOR APPLICATION NUMBER: JP 2001-328381
 PRIOR FILING DATE: 2001-09-14
 NUMBER OF SEQ ID NOS: 3381
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 2273
 LENGTH: 437
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-094-749-2273

Query Match 40.2%; Score 111; DB 4; Length 437;
 Best Local Similarity 43.1%; Pred. No. 2.5e-06;
 Matches 22; Conservative 12; Mismatches 15; Indels 2; Gaps 1;
 Qy 1 LTIGHFKEQLSKGNRYFVKASDFGAGVFEIWWDETVLPMYEGRIL 51
 Db 379 VTLKDFKAIDREGNHRYHFKALDPEF-GTVKEEIPHDDAIPGWECKIV 427

Search completed: April 20, 2006, 16:06:44
 Job time: 18.7177 secs

RESULT 15
 US-10-094-749-2273
 Sequence 2273, Application US/10094749
 Publication No. US20030219741A1
 GENERAL INFORMATION:
 APPLICANT: ISOGAI, TAKAO
 APPLICANT: SUGIYAMA, TOMOYASU
 APPLICANT: OTSUKI, TETSUJI
 APPLICANT: WAKAMATSU, AI
 APPLICANT: SATO, HIROYUKI
 APPLICANT: ISHII, SHIZUKO
 APPLICANT: YAMAMOTO, JUN-ICHI
 APPLICANT: ISONO, YUUKO
 APPLICANT: HIO, YURI
 APPLICANT: OTSUKA, KAORU
 APPLICANT: NAGAI, KEIICHI
 APPLICANT: IRIE, RYOTARO
 APPLICANT: TAMECHIKA, ICHIRO
 APPLICANT: SEKI, NAOHIKO
 APPLICANT: YOSHIKAWA, TSUTOMU
 APPLICANT: MASUHO, YASUHIKO
 TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
 FILE REFERENCE: 084335/0160
 CURRENT APPLICATION NUMBER: US/10/094,749
 CURRENT FILING DATE: 2002-03-12
 PRIOR APPLICATION NUMBER: 60/350,435
 PRIOR FILING DATE: 2002-01-24
 PRIOR APPLICATION NUMBER: JP 2001-328381
 PRIOR FILING DATE: 2001-09-14
 NUMBER OF SEQ ID NOS: 3381
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 2052
 LENGTH: 211
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-094-749-2052

Query Match 40.2%; Score 111; DB 4; Length 211;
 Best Local Similarity 43.1%; Pred. No. 1.1e-06;
 Matches 22; Conservative 12; Mismatches 15; Indels 2; Gaps 1;
 Qy 1 LTIGHFKEQLSKGNRYFVKASDFGAGVFEIWWDETVLPMYEGRIL 51
 Db 153 VTLKDFKAIDREGNHRYHFKALDPEF-GTVKEEIPHDDAIPGWECKIV 201

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OM protein - protein search, using sw model

Run on: April 20, 2006, 16:00:23 ; Search time 2.82586 Seconds
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Perfect score: 276 US-09-587-574-5

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Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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3: /SIDS5/produata/2/pubpaal/us07 NEW_PUB_DEP:*

4: /SIDS5/produata/2/pubpaal/PCT_NEW_PUB_DEP:*

5: /SIDS5/produata/2/pubpaal/us05_NEW_PUB_DEP:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	191	69.2	900	6 US-10-501-035-215	Sequence 215, App
2	95.5	34.6	748	6 US-10-821-234-988	Sequence 888, App
3	95	34.4	198	6 US-10-485-788A-497	Sequence 497, App
4	90.5	32.8	344	6 US-10-485-788A-496	Sequence 496, App
5	57.5	20.8	240	7 US-11-096-568A-5817	Sequence 5817, App
6	55.5	20.1	315	7 US-11-087-199-6318	Sequence 6318, App
7	55.5	20.1	315	7 US-11-087-099-889	Sequence 589, App
8	55	19.9	430	7 US-11-126-313-35	Sequence 35, App
9	55	19.9	430	7 US-11-126-313-36	Sequence 36, App
10	54	19.6	183	7 US-11-079-663-607	Sequence 5607, App
11	54	19.6	612	7 US-11-087-099-8397	Sequence 8397, App
12	54	19.6	1178	6 US-11-045-788A-491	Sequence 491, App
13	53.5	19.4	594	7 US-11-096-568A-27907	Sequence 27907, App
14	53.5	19.4	615	7 US-11-096-568A-27906	Sequence 27906, App
15	53.5	19.4	699	7 US-11-096-568A-27905	Sequence 522, App
16	53.5	19.4	888	7 US-11-188-298-522	Sequence 19419, App
17	53	19.2	207	7 US-11-188-298-19439	Sequence 5, App
18	53	19.2	309	7 US-11-155-288-5	Sequence 4356, App
19	53	19.2	896	7 US-11-188-298-3356	Sequence 398, App
20	53	19.2	908	7 US-11-124-167A-398	Sequence 396, App
21	53	19.2	1308	7 US-11-124-167A-396	Sequence 394, App
22	53	19.2	1332	7 US-11-124-367A-394	Sequence 395, App
23	53	19.2	1413	7 US-11-124-367A-395	Sequence 397, App
24	53	19.2	1452	7 US-11-124-167A-397	Sequence 585, App
25	52.5	19.0	488	7 US-11-188-298-585	Sequence 19112, A

ALIGNMENTS

RESULT 1
US-10-501-035-215

; Sequence 215, Application US/10501035

; Publication No. US2006046249A1

; GENERAL INFORMATION:

; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTING ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE

; TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS

; FILE REFERENCE: D0185_PCT

; CURRENT APPLICATION NUMBER: US/10/501, 035

; CURRENT FILING DATE: 2004-07-09

; PRIORITY FILING DATE: 2002-01-18

; NUMBER OF SEQ ID NOS: 795

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO: 215
; LENGTH: 900
; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-501-035-215

Query Match 69.2%; Score 191; DB 6; Length 900;

Best Local Similarity 66.7%; Pred. No. 2e-17; Mismatches 9; Indels 0; Gaps 0;

Matches 34; Conservative 34; N mismatches 8;

; GENERAL INFORMATION:

Qy 1 LTLGHFKEQLSKKKGNRYYFKKGSDEFACCAVPFBIIWDDETVLPMYEGRL 51
Db 843 VTLGQFKELLTKGSSYRYFKKGSDEFDGvVFEVREDEAVLPVFEEKII 893

; CURRENT APPLICATION NUMBER: US/10/821, 234

; CURRENT FILING DATE: 2004-04-07

; PRIORITY FILING DATE: 2003-04-07

; NUMBER OF SEQ ID NOS: 1704

; SOFTWARE: pt_SEQ_Genes Version 1.0

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; SEQ ID NO: 888
; LENGTH: 748
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-8231-234-888

Query Match 34.6%; Score 95.5%; DB 6; Length 748;
Best Local Similarity 41.2%; Pred. No. 0.00011; Indels 3; Gaps 2;
Matches 21; Conservative 11; Mismatches 16; DB 2; Gaps 1;

; OTHER INFORMATION: Dishevelled 1 (DVL1) Construct (N-P) aa 1 - aa 341
; US-10-485-788A-496
; OTHER INFORMATION: Dishevelled 1 (DVL1) Construct (N-P) aa 1 - aa 341
; US-10-485-788A-496

Qy 1 LTIGHFKEQLSKKGNYRYFFKKASDEFACGAVFEEIWDDETVLPMYEGRIL 51
Db 60 VTLADFKVNL-QRPSYKKFFKSMDDF--GVVKKEISDDNAKLPFCNGRVV 107

RESULT 3
US-10-485-788A-497
; Sequence 497, Application US/10485788A
; Publication No. US20050282743A1
; GENERAL INFORMATION:
; APPLICANT: Lu, Peter S.
; APPLICANT: Rabinowitz, Joshua D.
; APPLICANT: Schweizer, Johannes
; APPLICANT: Carrick, Deanna Marie
; APPLICANT: Arbor Vita Corporation
; TITLE OF INVENTION: Molecular Interactions in Cells
; FILE REFERENCE: 20054-003320US
; CURRENT APPLICATION NUMBER: US/10/485 ,788A
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: US 60/309,841
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/360,061
; PRIOR FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: WO PCT/US02/24655
; PRIOR FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 841
; PRIOR APPLICATION NUMBER: WO PCT/US02/24655
; PRIOR FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 841
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 497
; LENGTH: 198
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Dishevelled 1 (DVL1) Construct (N) aa 1 - aa 197
US-10-485-788A-497

Query Match 34.4%; Score 95%; DB 6; Length 198;
Best Local Similarity 39.6%; Pred. No. 2.8e-05; Indels 4; Gaps 2;
Matches 21; Conservative 10; Mismatches 18; DB 2; Gaps 1;

Qy 1 LTIGHFKEQLSKKGNYRYFFKKASDEFACGAVFEEIWDDETVLPMYEGRIL 51
Db 28 VTLADFKVNL-SNRPVHAYKFFKSMDDF--GVVKKEISDDNAKLPFCNGRVV 78

RESULT 4
US-10-485-788A-496
Sequence 496, Application US/10485788A
; Publication No. US20050282743A1
; GENERAL INFORMATION:
; APPLICANT: Lu, Peter S.
; APPLICANT: Rabinowitz, Joshua D.
; APPLICANT: Schweizer, Johannes
; APPLICANT: Carrick, Deanna Marie
; APPLICANT: Arbor Vita Corporation
; TITLE OF INVENTION: Molecular Interactions in Cells
; FILE REFERENCE: 20054-003320US
; CURRENT APPLICATION NUMBER: US/10/485 ,788A
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: US 60/309,841
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/360,061
; PRIOR FILING DATE: 2002-02-25
; NUMBER OF SEQ ID NOS: 841
; SEQ ID NO: 496
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1) (205)
; OTHER INFORMATION: unsure at all xaa locations
; US-11-087-099-6318

Query Match 20.1%; Score 55.5%; DB 7; Length 205;

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Best Local Similarity 34.3%; Pred. No. 5.9;
Matches 12; Conservative 8; Mismatches 12; Indels 3; Gaps 1;
US-11-087-099-589
; Sequence 589, Application US/11087099
; Publication No. US2006041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-211534501B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO: 589
; LENGTH: 3115
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)...(315)
; OTHER INFORMATION: unsure at all Xaa locations
US-11-087-099-589

Query Match 20.1%; Score 55.5; DB 7; Length 315;
Best Local Similarity 34.3%; Pred. No. 9.7;
Matches 12; Conservative 8; Mismatches 12; Indels 3; Gaps 1;
US-11-126-313-35
; Sequence 35, Application US/11126313
; Publication No. US2005288489A1
; GENERAL INFORMATION:
; APPLICANT: Hirsch, Joe1
; TITLE OF INVENTION: VOLTAGE-DEPENDENT CALCIUM CHANNEL BETA SUBUNIT FUNCTIONAL CORE
; FILE REFERENCE: P-6758-US
; CURRENT APPLICATION NUMBER: US/11/126,313
; CURRENT FILING DATE: 2005-05-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO: 35
; LENGTH: 430
; TYPE: PRT
; ORGANISM: Anopheles gambiae
US-11-126-313-35

Query Match 19.9%; Score 55; DB 7; Length 430;
Best Local Similarity 40.0%; Pred. No. 16;
Matches 10; Conservative 5; Mismatches 6; Indels 4; Gaps 1;
US-11-126-313-36
; Sequence 36, Application US/11126313
; Publication No. US2005288489A1
; GENERAL INFORMATION:
; APPLICANT: Hirsch, Joe1
; TITLE OF INVENTION: VOLTAGE-DEPENDENT CALCIUM CHANNEL BETA SUBUNIT FUNCTIONAL CORE
; FILE REFERENCE: P-6758-US
; CURRENT APPLICATION NUMBER: US/11/126,313
; CURRENT FILING DATE: 2005-05-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO: 35
; LENGTH: 430
; TYPE: PRT
; ORGANISM: Anopheles gambiae
US-11-126-313-36

Query Match 17.7%; Score 55; DB 7; Length 430;
Best Local Similarity 40.0%; Pred. No. 16;
Matches 10; Conservative 5; Mismatches 6; Indels 4; Gaps 1;
US-11-126-313-37
; Sequence 37, Application US/11126313
; Publication No. US2005288489A1
; GENERAL INFORMATION:
; APPLICANT: Hirsch, Joe1
; TITLE OF INVENTION: VOLTAGE-DEPENDENT CALCIUM CHANNEL BETA SUBUNIT FUNCTIONAL CORE
; FILE REFERENCE: P-6758-US
; CURRENT APPLICATION NUMBER: US/11/126,313
; CURRENT FILING DATE: 2005-05-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO: 35
; LENGTH: 430
; TYPE: PRT
; ORGANISM: Anopheles gambiae
US-11-126-313-37

Query Match 17.7%; Score 55; DB 7; Length 430;
Best Local Similarity 40.0%; Pred. No. 16;
Matches 10; Conservative 5; Mismatches 6; Indels 4; Gaps 1;
US-11-126-313-38
; Sequence 38, Application US/11126313
; Publication No. US2005288489A1
; GENERAL INFORMATION:
; APPLICANT: Hirsch, Joe1
; TITLE OF INVENTION: VOLTAGE-DEPENDENT CALCIUM CHANNEL BETA SUBUNIT FUNCTIONAL CORE
; FILE REFERENCE: P-6758-US
; CURRENT APPLICATION NUMBER: US/11/126,313
; CURRENT FILING DATE: 2005-05-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO: 35
; LENGTH: 430
; TYPE: PRT
; ORGANISM: Anopheles gambiae
US-11-126-313-38

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; CURRENT APPLICATION NUMBER: US/11/1266,313
; CURRENT FILING DATE: 2005-05-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 36
; LENGTH: 430
; TYPE: PRT
; ORGANISM: Anopheles gambiae
US-11-1266-313-36

Query Match Similarity 19.9%; Score 55;
Best Local Similarity 40.0%; Pred. No. 6
Matches 10; Conservative 5; Mismatch 7

Qy 17 RYFFKASDEFAC---GAVFFEW 37
Db 232 RYFFESAFNRFDIVIAGSIFFEVW 256

RESULT 10
US-11-079-463-5607
; Sequence 5607, Application US/11/079463
; Publication No. US20060073161A1
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID ANALYSIS FOR DIAGNOSTICS AND THERAPY
; FILE REFERENCE: PATH00-03DIV2
; CURRENT APPLICATION NUMBER: US/11/079,463
; CURRENT FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 6/0128,705
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: US 09/540,209
; PRIOR FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 10444
; SEQ ID NO 5607
; LENGTH: 183
; TYPE: PRT
; ORGANISM: B. fragilis
US-11-079-463-5607

Query Match Similarity 19.6%; Score 54;
Best Local Similarity 41.7%; Pred. No. 6
Matches 10; Conservative 5; Mismatch 7

Qy 25 DEFAGAVPEEIWDDETVLPMYEG 48
Db 68 EEEGCTIVVYENEGEKGVYLPQEG 91

RESULT 11
US-11-087-099-8397
; Sequence 8397, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Disease Resistance
; FILE REFERENCE: 38-21(5350)B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 83 97
; LENGTH: 612
; TYPE: PRT
; ORGANISM: Chlamydomonas reinhardtii
US-11-087-099-8397

Query Match Similarity 19.6%; Score 54;
Best Local Similarity 22.7%; Pred. No. 7
Matches 10; Conservative 12; Mismatch 7

Qy 7 KEELSKGGNNYYKKASDERAACGAVFETI

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Db 374 RDSDLDKHRTDKREFLYTRDQLECGATHDELWNAAQLEMVHVGRM 417

RESULT 12

US-10-995-561-851

Sequence 851, Application US/10995561

General Information:

Applicant: CARGIL, Michele et al.

Title of Invention: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF

Title of Invention: DETECTION AND USES THEREOF

Current Application Number: US/10/995,561

Current Filing Date: 2004-11-24

Number of SEQ ID NOs: 85702

Software: FastSEQ for Windows Version 4.0

SEQ ID NO: 851

Length: 1178

Type: PRT

Organism: Homo sapiens

US-10-995-561-851

Query Match 19.6%; Score 54; DB 6; Length 1178;

Best Local Similarity 30.8%; Pred. No. 70; Indels 2; Gaps 1;

Matches 12; Conservative 8; Mismatches 17; Indels 2; Gaps 1;

Qy 1 LTLGHPKEQLSKKGNRYYFFKKASDEFAGAVFEEIWDD 39

Db 852 VSFSQIKSLIRVNEFVKQKQADSNCG-FAEEYED 888

RESULT 13

US-11-096-568A-27907

Sequence 27907, Application US/11096568A

General Information:

Applicant: Alexandrov, Nickolai et al.

Title of Invention: Sequence-Determined DNA Fragments and Corresponding Polypeptides

FILE REFERENCE: 2750-1592US2

Current Application Number: US/11/096,568A

Number of SEQ ID NOs: 34471

Length: 594

Type: PRT

Organism: Arabidopsis thaliana

Feature:

Name/Key: misc_feature

Location: (1)..(594)

Other Information: Ceres Seq. ID no. 21333278

US-11-096-568A-27907

Query Match 19.4%; Score 53.5; DB 7; Length 594;

Best Local Similarity 34.8%; Pred. No. 37; Indels 11; Gaps 1;

Matches 16; Conservative 5; Mismatches 14; Indels 11; Gaps 1;

Qy 6 FKEQLSKKGNRYYFFKKASDEFAGAVFEEIWDDTVLPYEGRIL 51

Db 373 FLEKLKKKGIEVLYMVADEYAGQKRE-----FEGKQL 407

RESULT 14

US-11-096-568A-27906

Sequence 27906, Application US/11096568A

General Information:

Applicant: Alexandrov, Nickolai et al.

Title of Invention: Sequence-Determined DNA Fragments and Corresponding Polypeptides

Title of Invention: Theby

FILE REFERENCE: 2750-1592US2

Current Application Number: US/11/096,568A